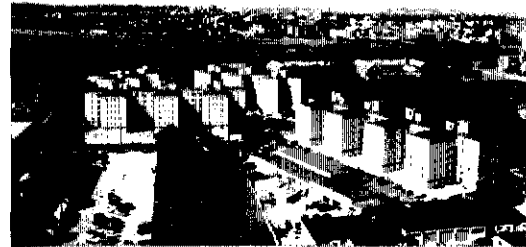




US Army Corps  
of Engineers  
New York District



# UTILITIES PRIVATIZATION CONTRACT



## VOLUME I

FORT  
HAMILTON  
MILITARY  
COMMUNITY  
BROOKLYN, NY



CONTRACT NO: DACA51-00-C-0001  
DATE: 2 DECEMBER 1999

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## SOLICITATION, OFFER AND AWARD

1. THIS CONTRACT IS A RATED ORDER  
UNDER DPAS (13 CFR 700)

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2. CONTRACT NO.

DACA51-00-C-0001

3. SOLICITATION NO.

DACA51-99-R-0006

4. TYPE OF SOLICITATION

- ☐
- SEALED BID (IFB)
- 
- ☒
- NEGOTIATED (RFP)

5. DATE ISSUED

1/22/99

6. REQUISITION/PURCHASE NO.

H16ROE-8323-0698

7. TO BY

CONTRACTING - CONTRACTS BRANCH  
26 FEDERAL PLAZA  
ROOM 1843  
NEW YORK, NY 10278

CODE e3p0500

8. ADDRESS OFFER TO (If other than Item 7)

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

## SOLICITATION

9. Sealed offers in original and 7 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handwritten, in the depository located in U.S. Army Corps of Engineers until 1200 local time 01/19/99 (Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section I, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR  
INFORMATION  
CALL:

A. NAME

Ina Ohrvashel

C06

B. TELEPHONE NO.

(NO COLLECT CALLS)

(212) 264-0154

C. E-MAIL ADDRESS

## 11. TABLE OF CONTENTS

DI	SEC.	DESCRIPTION	PAGE(S)	DI	SEC.	DESCRIPTION	PAGE(S)
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## OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within 120 calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the prices set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

DISCOUNT FOR PROMPT PAYMENT	10 CALENDAR DAYS	20 CALENDAR DAYS	30 CALENDAR DAYS	CALENDAR DAYS
(See Section I, Clause No. 52-232-8)	%	%	%	%
ACKNOWLEDGEMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offers and related documents numbered and dated:				
AMENDMENT NO.		DATE		AMENDMENT NO.
001 3/2/99		003 3/22/99		005 4/9/99
002 2/24/99		004 4/1/99		006 7/7/99
				007 8/19/99

A. ADDRESS  
Enron Federal Solutions, Inc.  
1400 Smith Street  
Houston, TX 77002

FACILITY

16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN  
OFFER (Type or print)William Votaw  
PresidentB. TELEPHONE NO. (Include area  
code) (713) 853-711215. CHECK IF REMITTANCE ADDRESS  
IS DIFFERENT FROM ABOVE. ENTER  
SUCH ADDRESS IN SCHEDULE.

17. SIGNATURE

18. OFFER DATE  
8/27/99

## AWARD (To be completed by Government)

ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION
AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION:		21820500000 088011 25C20024PB700000000000 E316 19016
10 U.S.C. 2304 (c) ( ) <input type="checkbox"/> 41 U.S.C. 233 (c) ( )		23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)
ENTERED BY (If other than Item 7)	CODE	23. PAYMENT WILL BE MADE BY
CONTRACTING OFFICER (Type or Print)		27. UNITED STATES OF AMERICA
Ella D. Snell		(Signature of Contracting Officer)
Contracting Officer		21. AWARD DATE
		9/1 Dec 02

AWARD - Award will be made on this form, or on Standard Form 28, or by other authorized official written notice.

NOT FOR LOCAL REPRODUCTION  
USE: ACTION UNUSABLESTANDARD FORM 33 (REV. 9-97)  
Prescribed by GSA - FAR (48 CFR) 33.214-3

Standard Form 33

Continuation Sheet

This contract is awarded to include Contract Line Items 0001 through 0050 for a total amount of 25 million one hundred fifty one thousand five hundred fifty seven dollars and thirty cents (\$25,151,557.30) incorporating the solicitation DACA51-99-R-0006 as amended by amendments 0001 through 0010, dated 2 March 1999, 24 February 1999, 22 March 1999, 1 April 1999, 9 April 1999, 7 July 1999, 19 August 1999, 3 September 1999, 21 September 1999 and 24 November 1999, respectively. Additionally, the contract incorporates Enron's Final Technical Proposal, dated 28 July 1999, Enron's Final Price Proposal, dated 27 August 1999, and pending approval of Enron's Subcontracting plan, dated 1 December 1999.

This contract also incorporates the attached MDW letter, dated 23 September 1999, and is issued subject to availability of funds (refer to FAR 52.232-18, amendment 0008).

Funds in the amount of \$2,335,155.73 are available for the first year of this project using the following citation:

2102020 0000 0 40 1012 131079J3000 0000000000000000 4EJD CF S49092



SECTION B  
SUPPLIES OR SERVICES AND PRICES/COSTS

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0001	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 1				
0001AA	Initial Upgrade	1.00	1s	170,019 . 38	170,019 . 38
	Year 1				
0001AB	Distribution Charge	1.00	1s	210,994 . 00	210,994 . 00
	Year 1				
0001AC	Capital Upgrades	1.00	1s	0 .	0 .
	Year 1				
0001AD	Purchase Price	1.00	1s	(200,000 . 00)	(200,000 . 00)
	Year 1				
0002	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
0002AA	Initial Upgrade	1.00	1s	266,951 . 93	266,951 . 93
	Year 1				
0002AB	Distribution Charge			210,994.00	210,994.00
	Year 1				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0002AC	Capital Upgrades	1.00	1s	0.	0.
	Year 1				
0002AD	Purchase Price	1.00	1s	0.	0.
	Year 1				
0003	Privatization of Potable Water Utility System, Fort Hamilton, New York				
0003AA	Initial Upgrade	1.00	1s	482,429.42	482,429.42
	Year 1				
0003AB	Distribution Charges	1.00	1s	210,994.00	210,994.00
	Year 1				
0003AC	Capital Upgrades	1.00	1s	0.	0.
	Year 1				
0003AD	Purchase Price	1.00	1s	0.	0.
	Year 1				
0004	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 1				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0004AA	Initial Upgrade	1.00	1s	771,779 .00	771,779 .00
	Year 1				
0004AB	Distribution Charge	1.00	1s	210,994 .00	210,994 .00
	Year 1				
0004AC	Capital Upgrade	1.00	1s	0 .	0 .
	Year 1				
0004AD	Purchase Price	1.00	1s	0 .	0 .
	Year 1				
005	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 2				
0005AA	Initial Upgrade	1.00	1s	170,019 .38	170,019 .38
	Year 2				
0005AB	Distribution Charge	1.00	1s	210,994 .00	210,994 .00
	Year 2				
0005AC	Capital Upgrades	1.00	1s	0 .	0 .
	Year 2				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0005AD	Purchase Price	1.00	1s	0	0
	Year 2				
0006	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 2				
0006AA	Initial Upgrade	1.00	1s	266,951.93	266,951.93
	Year 2				
0006AB	Distribution Charge	1.00	1s	210,994.00	210,994.00
	Year 2				
SAC	Capital Upgrades	1.00	1s	0	0
	Year 2				
0006AD	Purchase Price	1.00	1s	0	0
	Year 2				
0007	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 2				
0007AA	Initial Upgrade	1.00	1s	482,429.42	482,429.42
	Year 2				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0007AB	Distribution Charges	1.00	1s	210,994 .00	210,994 .00
	Year 2				
0007AC	Capital Upgrades	1.00	1s	0 .	0 .
	Year 2				
0007AD	Purchase Price	1.00	1s	0 .	0 .
	Year 2				
0008	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 2				
8AA	Initial Upgrade	1.00	1s	771,779 .00	771,779 .00
	Year 2				
0008AB	Distribution Charge	1.00	1s	210,994 .00	210,994 .00
	Year 2				
0008AC	Capital Upgrade	1.00	1s	0 .	0 .
	Year 2				
0008AD	Purchase Price	1.00	1s	0 .	0 .
	Year 2				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0009	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 3				
0009AA	Initial Upgrade	1.00	1s	170,019 .38	170,019 .38
	Year 3				
0009AB	Distribution Charge	1.00	1s	210,994 .00	210,994 .00
	Year 3				
0009AC	Capital Upgrades	1.00	1s	0	0
	Year 3				
0009AD	Purchase Price	1.00	1s	0	0
	Year 3				
0010	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 3				
0010AA	Initial Upgrade	1.00	1s	266,951 .93	266,951 .93
	Year 3				
0010AB	Distribution Charge			210,994.00	210,994.00
	Year 3				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0010AC	Capital Upgrades	1.00	1s	-0-	-0-
	Year 3				
0010AD	Purchase Price	1.00	1s	- 0 -	- 0 -
	Year 3				
0011	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 3				
0011AA	Initial Upgrade	1.00	EA	482,429 42	482,429 42
	Year 3				
0011AB	Distribution Charges	1.00	EA	210,994 00	210,994 00
	Year 3				
0011AC	Capital Upgrades	1.00	EA	0	0
	Year 3				
0011AD	Purchase Price	1.00	1s	0	0
	Year 3				
0012	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 3				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0012AA	Initial Upgrade	1.00	1s	771,779.00	771,779.00
	Year 3				
0012AB	Distribution Charge	1.00	EA	210,994.00	210,994.00
	Year 3				
0012AC	Capital Upgrade	1.00	1s	0	0
	Year 3				
0012AD	Purchase Price	1.00	1s	0	0
	Year 3				
0013	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 4				
0013AA	Initial Upgrade	1.00	1s	170,019.38	170,019.38
	Year 4				
0013AB	Distribution Charge			210,994.00	210,994.00
	Year 4				
0013AC	Capital Upgrades	1.00	1s	-0-	-0-
	Year 4				



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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0013AD	Purchase Price	1.00	1s	0	0
	Year 4				
0014	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 4				
0014AA	Initial Upgrade	1.00	EA	266,951.93	266,951.93
	Year 4				
0014AB	Distribution Charges	1.00	EA	210,994.00	210,994.00
	Year 4				
0014AC	Capital Upgrades	1.00	EA	0	0
	Year 4				
0014AD	Purchase Price	1.00	1s	0	0
	Year 4				
0015	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 4				
0015AA	Initial Upgrade	1.00	1s	482,429.42	482,429.42
	Year 4				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0015AB	Distribution Charge	1.00	EA	210,994 .00	210,994 .00
	Year 4				
0015AC	Capital Upgrade	1.00	ls	0	0
	Year 4				
0015AD	Purchase Price	1.00	ls	0	0
	Year 4				
0016	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 4				
0016AA	Initial Upgrade	1.00	ls	771,779 .00	771,779 .00
	Year 4				
0016AB	Distribution Charge	1.00	ls	210,994 .00	210,994 .00
	Year 4				
0016AC	Capital Upgrade	1.00	ls	0	0
	Year 4				
0016AD	Purchase Price	1.00	ls	0	0
	Year 4				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0017	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 5				
0017AA	Initial Upgrade	1.00	1s	170,019.38	170,019.38
	Year 5				
0017AB	Distribution Charge			210,994.00	210,994.00
	Year 5				
0017AC	Capital Upgrades	1.00	1s	-0-	-0-
	Year 5				
0017AD	Purchase Price	1.00	1s	-0-	-0-
	Year 5				
0018	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 5				
0018AA	Initial Upgrade	1.00	EA	266,951.93	266,951.93
	Year 5				
0018AB	Distribution Charges	1.00	EA	210,994.00	210,994.00
	Year 5				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0018AC	Capital Upgrades	1.00	EA	0	0
	Year 5				
0018AD	Purchase Price	1.00	1s	0	0
	Year 5				
0019	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 5				
0019AA	Initial Upgrade	1.00	1s	482,429.42	482,429.42
	Year 5				
0019AB	Distribution Charge	1.00	EA	210,994.00	210,994.00
	Year 5				
0019AC	Capital Upgrade	1.00	1s	0	0
	Year 5				
0019AD	Purchase Price	1.00	1s	0	0
	Year 5				
0020	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 5				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0020AA	Initial Upgrade	1.00	1s	771,779 . 00	771,779 . 00
	Year 5				
0020AB	Distribution Charge	1.00	1s	210,994 . 00	210,994 . 00
	Year 5				
0020AC	Capital Upgrade	1.00	1s	- 0 -	- 0 -
	Year 5				
0020AD	Purchase Price	1.00	1s	- 0 -	- 0 -
	Year 5				
0021	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 6				
0021AA	Initial Upgrade	1.00	1s	170,019 . 38	170,019 . 38
	Year 6				
0021AB	Distribuiton Charge			210,994.00	210,994.00
	Year 6				
0021AC	Capital Upgrades	1.00	1s	-0-	-0-
	Year 6				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0021AD	Purchase Price	1.00	1s	0	0
	Year 6				
0022	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 6				
0022AA	Initial Upgrade	1.00	EA	266,951.93	266,951.93
	Year 6				
0022AB	Distribution Charges	1.00	EA	210,994.00	210,994.00
	Year 6				
2AC	Capital Upgrades	1.00	EA	0	0
	Year 6				
0022AD	Purchase Price	1.00	1s	0	0
	Year 6				
0023	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 6				
0023AA	Initial Upgrade	1.00	1s	482,429.42	482,429.42
	Year 6				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0023AB	Distribution Charge	1.00	EA	210,994 .00	210,994 .00
	Year 6				
0023AC	Capital Upgrade	1.00	1s	0	0
	Year 6				
0023AD	Purchase Price	1.00	1s	0	0
	Year 6				
0024	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 6				
24AA	Initial Upgrade	1.00	1s	771,779 .00	771,779 .00
	Year 6				
0024AB	Distribution Charge	1.00	1s	210,994 .00	210,994 .00
	Year 6				
0024AC	Capital Upgrade	1.00	1s	0	0
	Year 6				
0024AD	Purchase Price	1.00	1s	0	0
	Year 6				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0025	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 7				
0025AA	Initial Upgrade	1.00	1s	170,019.38	170,019.38
	Year 7				
0025AB	Distribuiton Charge			210,994.00	210,994.00
	Year 7				
0025AC	Capital Upgrades	1.00	1s	-0-	-0-
	Year 7				
SAD	Purchase Price	1.00	1s	-0-	-0-
	Year 7				
0026	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 7				
0026AA	Initial Upgrade	1.00	1s	266,951.93	266,951.93
	Year 7				
0026AB	Distribuiton Charge			210,994.00	210,994.00
	Year 7				



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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0026AC	Capital Upgrades	1.00	ls	0	0
	Year 7				
0026AD	Purchase Price	1.00	ls	0	0
	Year 7				
0027	Privatization of Potble Water Utility System, Fort Hamilton, New York				
	Year 7				
0027AA	Initial Upgrade	1.00	EA	482,429.42	482,429.42
	Year 7				
7AB	Distribution Charges	1.00	EA	210,994.00	210,994.00
	Year 7				
0027AC	Capital Upgrades	1.00	EA	0	0
	Year 7				
0027AD	Purchase Price	1.00	ls	0	0
	Year 7				
0028	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 7				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0028AA	Initial Upgrade	1.00	1s	771,779 .00	771,779 .00
	Year 7				
0028AB	Distribution Charge	1.00	EA	210,994 .00	210,994 .00
	Year 7				
0028AC	Capital Upgrade	1.00	1s	0	0
	Year 7				
0028AD	Purchase Price	1.00	1s	0	0
	Year 7				
0029	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 8				
0029AA	Initial Upgrade	1.00	1s	170,019 .38	170,019 .38
	Year 8				
0029AB	Distribution Charge	1.00	1s	210,994 .00	210,994 .00
	Year 8				
0029AC	Capital Upgrade	1.00	1s	0	0
	Year 8				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0029AD	Purchase Price	1.00	1s	0	0
	Year 8				
0030	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 8				
0030AA	Initial Upgrade	1.00	1s	266,951.93	266,951.93
	Year 8				
0030AB	Distribution Charge			210,994.00	210,994.00
	Year 8				
0030AC	Capital Upgrades	1.00	1s	0	0
	Year 8				
0030AD	Purchase Price	1.00	1s	0	0
	Year 8				
0031	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 8				
0031AA	Initial Upgrade	1.00	1s	482,429.42	482,429.42
	Year 8				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0031AB	Distribuiton Charge			210,994.00	210,994.00
	Year 8				
0031AC	Capital Upgrades	1.00	1s	<u>0</u>	<u>0</u>
	Year 8				
0031AD	Purchase Price	1.00	1s	<u>0</u>	<u>0</u>
	Year 8				
0032	Privatizaiton of Wastewater Utility System, Fort Hamilton, New York				
	Year 8				
0032AA	Initial Upgrade	1.00	EA	<u>771,779.00</u>	<u>771,779.00</u>
	Year 8				
0032AB	Distribution Charges	1.00	EA	<u>210,994.00</u>	<u>210,994.00</u>
	Year 8				
0032AC	Capital Upgrades	1.00	EA	<u>0</u>	<u>0</u>
	Year 8				
0032AD	Purchase Price	1.00	1s	<u>0</u>	<u>0</u>
	Year 8				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0033	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 9				
0033AA	Initial Upgrade	1.00	ls	170,019.38	170,019.38
	Year 9				
0033AB	Distribution Charge	1.00	EA	210,994.00	210,994.00
	Year 9				
0033AC	Capital Upgrade	1.00	ls	-0-	-0-
	Year 9				
13AD	Purchase Price	1.00	ls	-0-	-0-
	Year 9				
0034	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 9				
0034AA	Initial Upgrade	1.00	EA	266,951.93	266,951.93
	Year 9				
0034AB	Distribution Charges	1.00	EA	210,994.00	210,994.00
	Year 9				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0034AC	Capital Upgrades	1.00	EA	-0-	-0-
	Year 9				
0034AD	Purchase Price	1.00	ls	-0-	-0-
	Year 9				
0035	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 9				
0035AA	Initial Upgrade	1.00	ls	482,429.42	482,429.42
	Year 9				
SAB	Distribution Charge	1.00	EA	210,994.00	210,994.00
	Year 9				
0035AC	Capital Upgrade	1.00	ls	-0-	-0-
	Year 9				
0035AD	Purchase Price	1.00	ls	-0-	-0-
	Year 9				
0036	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 9				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0036AA	Initial Upgrade	1.00	EA	771,779 .00	771,779 .00
	Year 9				
0036AB	Distribution Charges	1.00	EA	210,994 .00	210,994 .00
	Year 9				
0036AC	Capital Upgrades	1.00	EA	-0-	-0-
	Year 9				
0036AD	Purchase Price	1.00	ls	-0-	-0-
	Year 9				
0037	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 10				
0037AA	Initial Upgrade	1.00	ls	170,019 .38	170,019 .38
	Year 10				
0037AB	Distribution Charge	1.00	EA	210,994 .00	210,994 .00
	Year 10				
0037AC	Capital Upgrade	1.00	ls	-0-	-0-
	Year 10				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0037AD	Purchase Price	1.00	1s	-0-	-0-
	Year 10				
0038	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 10				
0038AA	Initial Upgrade	1.00	EA	266,951 93	266,951 93
	Year 10				
0038AB	Distribution Charges	1.00	EA	210,994 00	210,994 00
	Year 10				
0038AC	Capital Upgrades	1.00	EA	-0-	-0-
	Year 10				
0038AD	Purchase Price	1.00	1s	-0-	-0-
	Year 10				
0039	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 10				
0039AA	Initial Upgrade	1.00	1s	482,429 42	482,429 42
	Year 10				



Final Proposal Revision - 30 August 1999

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0039AB	Distribution Charge	1.00	EA	210,994 .00	210,994 .00
	Year 10				
0039AC	Capital Upgrade	1.00	ls	-0-	-0-
	Year 10				
0039AD	Purchase Price	1.00	ls	-0-	-0-
	Year 10				
0040	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 10				
0040AA	Initial Upgrade	1.00	EA	771,779 .00	771,779 .00
	Year 10				
0040AB	Distribution Charges	1.00	EA	210,994 .00	210,994 .00
	Year 10				
0040AC	Capital Upgrades	1.00	EA	-0-	-0-
	Year 10				
0040AD	Purchase Price	1.00	ls	-0-	-0-
	Year 10				

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0041	Taxes payable in accordance with clause H.23 of this document.	1.00	LS	Not priced at this time	
	Year 1				
0042	Taxes payable in accordance with clause H.23 of this document.	1.00	LS	Not priced at this time	
	Year 2				
0043	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS	Not priced at this time	
	Year 3				
0044	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS	Not priced at this time	
	Year 4				
0045	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS	Not priced at this time	
	Year 5				
0046	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS	Not priced at this time	
	Year 6				
0047	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS	Not priced at this time	
	Year 7.				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0048	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS		Not Priced at this time
	Year 8				
0049	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS		Not priced at this time
	Year 9				
0050	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS		Not priced at this time
	Year 10				

END OF SECTION B

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE	PAGE OF PAGES 1 13
2. AMENDMENT/MODIFICATION NO. 0010		3. EFFECTIVE DATE 11/24/99	4. REQUISITION/PURCHASE REQ. NO. W16ROE-8323-0698	5. PROJECT NO. (If applicable) DACA51-99-R-0006	
6. ISSUED BY CODE CONTRACTING - CONTRACTS BRANCH US ARMY CORPS OF ENG, NYD ATTN: CENANCT-C, RM 1843 NEW YORK, NY 10278 Lawrence T. Locke		e3p0500 C08 (212) 264-6707	7. ADMINISTERED BY (If other than Item 6) CODE CONTRACTING DIVISION US ARMY CORPS OF ENG, NYD ATTN: CENANCT, ROOM 1843 NEW YORK, NY 10278		E3P0000
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Vendor ID: 00000044  ENRON FEDERAL SOLUTIONS INC 1400 SMITH STREET HOUSTON TX 77002-7361			(X)  X	9A. AMENDMENT OF SOLICITATION NO. DACA51-99-R-0006	
				9B. DATED (SEE ITEM 11) 12/01/98	
				10A. MODIFICATION OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE IFVU8		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☒ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

<input checked="" type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This amendment is issued to:

1. Replace Wgae determination NY990003 Modification 8, dated 9-10-99 with the attached NY990003 Modification 11, dated 11-05-99 and,
2. To change the performance bond requirement from one covering the entire contract term to a series of annual bonds for the term of the contract.  
Replace section I clause 52.228-16 with the following;

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)	

SF 30 CONTINUATION SHEET

"52.228-16 -- Performance and Payment Bonds -- Other Than  
Construction (Sep 1996)

As prescribed in 28.103-4 , insert a clause substantially as follows:

Performance and Payment Bonds -- Other Than Construction (Sep 1996)

(a) Definitions. As used in this clause --

"Contract price" means the total amount of the contract for the term of the contract (excluding options, if any) or, for requirements contracts, the price payable for the estimated quantity; or for indefinite-delivery type contracts, the price payable for the specified minimum quantity.

(b) The Contractor shall furnish a performance bond (Standard Form 1418) for the protection of the Government in an amount equal to 100 percent of the annual contract price and a payment bond (Standard Form 1416) in an amount equal to 2.5 million.

(c) The Contractor shall furnish all executed bonds, including any necessary reinsurance agreements, to the Contracting Officer, within 10 days, but in any event, before starting/continuing work each year.

(d) The Government may require additional performance bond protection when the contract price is increased. The Government may secure additional protection by directing the Contractor to increase the penal amount of the existing bond or to obtain an additional bond.

(e) The bonds shall be in the form of firm commitment, supported by corporate sureties whose names appear on the list contained in Treasury Department Circular 570, individual sureties, or by other acceptable security such as postal money order, certified check, cashier's check, irrevocable letter of credit, or, in accordance with Treasury Department regulations, certain bonds or notes of the United States. Treasury Circular 570 is published in the Federal Register, or may be obtained from the:

U.S. Department of Treasury  
Financial Management Service  
Surety Bond Branch  
401 14th Street, NW, 2nd Floor, West Wing  
Washington, DC 20227

(End of Clause)

Offeror must acknowledge receipt of this amendment prior to the hour and

9

9

General Decision Number NY990003

Superseded General Decision No. NY980003

State: New York

Construction Type:

BUILDING

HEAVY

HIGHWAY

RESIDENTIAL

County(ies):

BRONX

NEW YORK

RICHMOND

KINGS

QUEENS

BUILDING & RESIDENTIAL CONSTRUCTION PROJECTS (includes  
single family homes and apartments up to and including 4  
stories), HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number Publication Date

0	03/12/1999
1	04/09/1999
2	05/07/1999
3	06/04/1999
4	07/02/1999
5	07/30/1999
6	08/20/1999
7	09/03/1999
8	09/10/1999
9	10/01/1999
10	10/15/1999
11	11/05/1999

COUNTY(ies):

BRONX

NEW YORK

RICHMOND

KINGS

QUEENS

ASBE0012A 07/01/1999

Rates

Fringes

ASBESTOS/INSULATOR WORKERS:

SCOPE OF WORK:

includes application of all  
insulating materials, protective  
coverings, coatings and finishing  
to all types of mechanical  
systems.

32.31

19.64

BOIL0005A 09/01/1998

Rates

Fringes

BOILERMAKER

\$35.00

3.75+47%+a

FOOTNOTE:

a. PAID HOLIDAYS: New Years Day, Thanksgiving Day, Memorial  
Day, Independence Day, Labor Day and Good Friday, Friday after  
Thanksgiving, Christmas Eve Day and New Years Eve

BRNY0001A 01/01/1999

Rates

Fringes

BRICKLAYERS

31.77

15.46

STONEMASONS

30.69

17.90

BRNY0001B 07/01/1999

Rates

Fringes

POINTERS, CLEANERS &amp; CAULKERS

29.80

11.50

DACA51-99-R-0006 Amend. 0010

-----		
BRNY0003A 07/01/1999		
	Rates	Fringes
TERRAZZO WORKERS	31.38	14.60
TERRAZZO FINISHERS	30.07	14.60
-----		
BRNY0004A 07/01/1999		
	Rates	Fringes
MARBLE SETTERS	27.61	15.65
-----		
BRNY0020A 07/01/1999		
	Rates	Fringes
MARBLE FINISHERS	27.72	16.87
-----		
BRNY0024A 07/01/1999		
	Rates	Fringes
MARBLE POLISHERS	29.74	12.38
-----		
* BRNY0052A 11/01/1999		
	Rates	Fringes
TILE LAYERS	31.26	14.82
-----		
BRNY0088A 06/01/1999		
	Rates	Fringes
TILE FINISHERS	25.74	12.08
-----		
CARP0001Y 01/01/1998		
	Rates	Fringes
CARPENTERS:		
Carpenters & Soft floor		
layers	30.06	18.47
-----		
CARP0740A 01/01/1996		
	Rates	Fringes
MILLWRIGHTS	28.53	18.91
-----		
CARP1456E 07/01/1998		
	Rates	Fringes
DOCKBUILDERS	29.15	19.73
-----		
CARP1456F 07/01/1998		
	Rates	Fringes
DIVERS	35.89	19.73
DIVER TENDERS	26.43	19.73
-----		
ELEC0003A 05/13/1999		
	Rates	Fringes
ELECTRICIANS	34.00	24.681
Jobbing, and maintenance		
and repair work	19.75	7.143+a
PAID HOLIDAYS:		
a. New Years Day, Washington's Birthday, Memorial Day,		
Independence Day, Labor Day, Columbus Day, Election Day,		
Thanksgiving Day, the day after Thanksgiving Day, and Christmas		
Day		
-----		
ELEC1049A 10/05/1997		
	Rates	Fringes
QUEENS COUNTY		
LINE CONSTRUCTION:		
Substation and Switching		
structures pipe type cable		
installation and maintenance jobs		
or projects; Railroad electrical		

distribution/transmission systems  
 maintenance (when work is not  
 performed by railroad employees)  
 Overhead and Underground transmission/  
 distribution line work. Fiber optic,  
 telephone cable and equipment

Lineman and Cable Splicer;	29.16	3.37+15.5%
Heavy Equipment Operator;	23.33	3.37+15.5%
Groundman	17.50	3.37+15.5%
Tree Trimmer	17.74	3.37+15.5%

-----  
 ELEV0001B 07/01/1998

	Rates	Fringes
ELEVATOR MECHANICS (New Construction)	34.415	10.805+a
ELEVATOR MECHANICS (Modernization and Repair)	28.576	10.655+a

FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day, Lincoln's Birthday,  
 Washington's Birthday, Memorial Day, Independence Day,  
 Labor Day, Columbus Day, Veteran's Day, Thanksgiving Day,  
 Friday after Thanksgiving, and Christmas Day.

PAID VACATION: Employer contributes 8% of regular basic  
 hourly rate as vacation pay for employees with more than  
 5 years of service, and 6% for employees with less than  
 5 years of service

-----  
 ENGI0014B 07/01/1998

	Rates	Fringes
POWER EQUIPMENT OPERATORS (HEAVY & HIGHWAY):		
GROUP 1	42.33	16.45+a
GROUP 2	34.64	16.45+a
GROUP 3	34.39	16.45+a
GROUP 4	33.53	16.45+a
GROUP 5	32.84	16.45+a
GROUP 6	32.07	16.45+a
GROUP 7	32.06	16.45+a
GROUP 8	31.07	16.45+a
GROUP 9	30.35	16.45+a
GROUP 10	30.20	16.45+a
GROUP 11	28.10	16.45+a
GROUP 12	28.74	16.45+a
GROUP 13	28.37	16.45+a
GROUP 14	20.95	16.45+a
GROUP 15	19.79	16.45+a

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Tower crane  
 GROUP 2: Backhoes, power shovel, Hydraulic clam shells,  
 moles and machines of a similar type  
 GROUP 3: Mine hoists and crane, etc. used as mine hoists  
 GROUP 4: Gradalls, keystones, cranes (with digging buckets),  
 bridge cranes, trenching machines, vermeer cutter and machines  
 of a similar nature  
 GROUP 5: Piledrivers, derrick boats, tunnel shovels  
 GROUP 6: Raise bore drill, and machines of a similar nature  
 GROUP 7: Back filling machines, cranes, mucking machines,  
 dual drum pavers  
 GROUP 8: Mixers (concrete w/loading attachments), concrete  
 pavers, cableways, land derricks, power house (low pressure  
 units), concrete pumps  
 GROUP 9: Concrete plants, well drilling machines, stone crushers  
 double drum hoist, power house (other than above)  
 GROUP 10: Concrete mixers  
 GROUP 11: Elevators  
 GROUP 12: Concrete breaking machine, Hoists (single drum),



load masters, locomotive and dinkies over 10 tons,  
 GROUP 13: Vibratory console  
 GROUP 14: Compressors (portable 3 or more in battery),  
 tugger machine (caissons) well point pumps, chum drill  
 GROUP 15: Boilers, (high pressure, compressors (portable,  
 single, or 2 in battery, not over 100' apart), pumps (river  
 cofferdam and welding machines (except where arc is operated by  
 members of local 15) push button machines, all engines  
 irrespective of power (power pac) used to drive auxilliary  
 equipment, air, hydraulic etc.

PREMIUMS ON CRANES (Crawler or Truck):

100' to 149' boom - add .50  
 150' to 249' boom - add .75  
 250' to 349' boom - add 1.00  
 350' to 450' boom - add 1.50

UTILITY CONSTRUCTION:

Utility compressors	19.67	16.45+a
Off shift compressors	25.23	16.45+a
Horizontal boring rig	30.06	16.45+a

PAVING CONSTRUCTION:

Asphalt spreader	31.07	16.45+a
Asphalt roller	30.20	16.45+a
Asphalt plants	26.38	16.45+a

STEEL ERECTION:

Three drum derricks	39.03	16.45+a
Cranes, Hydraulic Cranes, 2 drum derricks, Forklifts, Boom Trucks	37.44	16.45+a
Compressors, Welding Machines	27.08	16.45+a

Premiums for Cranes on Steel Erection:

100' to 149' boom - add 1.25  
 150' to 249' boom - add 1.50  
 250' to 349' boom - add 1.75  
 350' to 450' boom - add 2.25  
 Tower crane - add 1.50

FOOTNOTE:

a. Paid Holidays: New Year's Day; Lincoln's Birthday;  
 Washington's Birthday; Memorial Day; Independence Day;  
 Labor Day; Veterans Day; Columbus Day; Election Day;  
 Thanksgiving Day; and Christmas Day; provided the employee  
 works one day the payroll week in which the holiday occurs.

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 ENGI0014C 07/01/1998

	Rates	Fringes
POWER EQUIPMENT OPERATORS		
(BUILDING & RESIDENTIAL):		
GROUP 1	36.98	15.05+a
GROUP 2	36.36	15.05+a
GROUP 3	35.11	15.05+a
GROUP 4	28.55	15.05+a
POWER EQUIPMENT OPERATORS CLASSIFICATIONS		
GROUP 1: Double drum		
GROUP 2: Stone derrick, cranes, hydraulic cranes, boom trucks		
GROUP 3: Hoists, fork lift, house cars, plaster (platform machine), plaster bucket, concrete pump and all other equipment used for hoisting material		
GROUP 4: Compressors, welding machines (cutting concrete work), paint spraying, sand blasting, pumps (with the exclusion of concrete pumps), house car (settlement basis only), all engines irrespective of power (power pac) used to drive auxiliary equipment, air, hydraulic, etc., boilers		
Premiums for Cranes:		
100'-149' boom - add 1.25		
150'-249' boom - add 1.50		

250'-349' boom - add 1.75  
 350'-450' boom - add 2.25  
 Tower cranes add 1.50

FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day, Lincoln's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Columbus Day, Election Day, Thanksgiving Day, and Christmas Day, provided the employee works one day in the payroll week in which the holiday occurs

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IRON0040P 07/01/1999		
	Rates	Fringes
BRONX, NEW YORK, RICHMOND		
IRONWORKERS (STRUCTURAL)	30.45	30.68
-----		
IRON0046C 07/01/1998		
	Rates	Fringes
IRONWORKERS (METALLIC LATHERS)	32.95	17.47
-----		
IRON0197A 01/01/1999		
	Rates	Fringes
IRONWORKERS (STONE DERRICKMAN)	32.18	22.69
-----		
IRON0361P 07/01/1999		
	Rates	Fringes
KINGS, QUEENS		
IRONWORKERS (STRUCTURAL)	30.45	30.68
-----		
IRON0580A 07/01/1999		
	Rates	Fringes
IRONWORKERS (ORNAMENTAL)	29.65	23.55
-----		
LABO0006A 07/01/1996		
	Rates	Fringes
BUILDING CONSTRUCTION		
LABORERS:		
CEMENT AND CONCRETE WORKERS	\$26.05	9.51
-----		
LABO0029A 07/01/1995		
	Rates	Fringes
LABORERS: (Heavy)		
Blasters	30.13	11.90
Blasters (hydraulic trac drill)	30.65	11.90
Hydraulic Trac Drill	27.22	11.90
Wagon; Airtrac; Quarry Bar		
Drill Runners	26.73	11.90
Jackhammers, Chippers, Spaders,		
Concrete Breakers, All		
Other Pneumatic Tools, Walk		
Behind Self-Propelled Hydraulic		
Asphalt and Concrete Breaker	26.07	11.90
Powder Carriers	23.58	11.90
-----		
LABO0079A 07/01/1998		
	Rates	Fringes
LABORERS: (Building)		
Mason Tenders	24.00	12.19
Demolition Laborers		
Tier A	25.00	12.19
Tier B	14.00	6.00

CLASSIFICATIONS

TIER A: Responsible for the removal of all interior petitions and structural petitions that can consist of sheet rock, block or masonry. Also, all structural slab openings for ducts, . .

mechanical, shafts, elevators, slab openings and exterior walls where the building is not being completely demolished.  
TIER B: Responsible for shoveling of debris into containers, pushing containers from the inside to the outside of the building.

LABO0147A 07/01/1998

	Rates	Fringes
LABORERS		

FREE AIR TUNNEL WORKERS

Tunnel Workers (including Maintenance Men, Inside Muck Lock Tenders, Pump Men Electricians, Cement Finishers, Caulkers, Hydraulic Men, Shield Men, Monorail Operators, Motor Men, Conveyor Men, Powder Carriers, Pan Men, Riggers, Chuck Tenders, Track Men Painters, Nippers, Brakemen, Cable Men, Hose Men, Grout Men, Gravel Men, Form Workers, Concrete Workers, Tunnel Laborers, Mole Nipper (one (1) Mole Sipper per Working Shaft per Shift for up to and including Two (2) Moles)

LABORERS	24.57	12.54
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\* LABO0731A 07/01/1999

	Rates	Fringes
LABORERS: (Building,		

Heavy and Residential):

UNSKILLED	26.44	13.84
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UTILITY LABORER -	26.29	13.84
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Paid Holidays:

Labor Day and Thanksgiving Day

LABO0999M 06/01/1996

	Rates	Fringes
Asbestos Removal Workers	18.00	4.00

LABO1010A 01/01/1999

	Rates	Fringes
LABORERS HIGHWAY CONSTRUCTION:		

FORMSETTERS	29.19	13.60+a
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LABORERS	26.09	13.60+a
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FOOTNOTES:

a. PAID HOLIDAYS: Memorial Day, Fourth of July, Labor Day, Columbus Day, Election Day and Thanksgiving Day, provided the employee has worked one (1) day in the calendar week in which the said holiday occurs.

LABO1018A 01/01/1999

	Rates	Fringes
LABORERS:		

Asphalt Rakers	29.06	13.60+a
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Asphalt Tampers	26.62	13.60+a
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Asphalt Laborers	26.51	13.60+a
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Screedman	29.43	13.60+a
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FOOTNOTE:

a. Paid Holidays: Memorial Day, Independence Day, Labor Day, Columbus Day, Election Day, Veterans Day, and Thanksgiving Day

PAIN0009B 06/01/1999

	Rates	Fringes
PAINTERS		

Painters, Drywall Finishers

and Lead Abatement Worker	27.25	12.91
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Spray, Scaffold and Sandblasting	30.25	12.91
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GLAZIERS	27.34	16.22
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PAIN0806A 10/01/1999		
	Rates	Fringes
PAINTERS: Structural steel and Bridge	35.00	18.78
PAIN1974A 01/01/1999		
	Rates	Fringes
DRYWALL TAPERS/POINTERS	31.86	
PLAS0260A 07/01/1999		
	Rates	Fringes
BRONX, NEW YORK AND RICHMOND COUNTIES: PLASTERERS	27.91	15.55
PLAS0260B 07/01/1999		
	Rates	Fringes
KINGS AND QUEENS COUNTIES PLASTERERS	27.91	15.16
PLAS0530A 02/03/1999		
	Rates	Fringes
DRYWALL PLASTERERS	26.31	12.65
PLAS0780A 07/01/1999		
	Rates	Fringes
CEMENT MASONS	35.00	14.14
PLUM0001K 07/01/1998		
	Rates	Fringes
PLUMBERS: KING AND QUEENS COUNTIES JOBING AND ALTERATIONS Any repair and or replacement of the present plumbing system that does not change the existing roughing	35.41     20.97	21.56     7.43
PLUM0002K 07/03/1996		
	Rates	Fringes
PLUMBERS: BRONX AND NEW YORK COUNTIES Jobbing - repair and or replacement of the present plumbing system that does not change the existing roughing	33.91     21.28	20.55     8.76
PLUM0371A 07/01/1995		
	Rates	Fringes
RICHMOND COUNTY PLUMBERS JOBING and ALTERATIONS Any repair and or replace- ment of the present plumbing system that does not change the existing roughing	32.26     19.49	10.28     8.50
PLUM0638A 07/01/1998		
	Rates	Fringes
SPRINKLER FITTERS, STEAMFITTERS SERVICE FITTERS	31.55 21.45	20.84 5.31

Service Fitter work shall consist of all repair, service and maintenance work on domestic, commercial and industrial refrigeration, air conditioning and air cooling, stoker and oil burner apparatus and heating apparatus etc., including but not exclusively the charging, evacuation, leak testing and assembling for all machines for domestic, commercial and industrial refrigeration, air conditioning and heating apparatus. Also, work shall include adjusting, including capacity adjustments, checking and repairing or replacement of all controls and start up of all machines and repairing all defects that may develop on any system for domestic, commercial and industrial refrigeration and all air conditioning, air cooling, stoker and oil burner apparatus and heating apparatus regardless of size or type.

-----		
ROOF0008C 07/01/1998		
	Rates	Fringes
ROOFERS	26.58	15.30
-----		
SHEE0028B 07/29/1999		
	Rates	Fringes
SHEET METAL WORKERS	32.66	20.19
-----		
TEAM0282B 07/01/1998		
	Rates	Fringes
TRUCK DRIVERS:		
Asphalt	26.56	15.95+a+b
High Rise	28.96	15.95+a+b
Euclids & Turnapulls	26.79	15.9525+a+b

FOOTNOTES:

PAID HOLIDAYS: A-New Year's Day; B-Memorial Day; C-Independence Day; D-Labor Day; E-Thanksgiving Day; F-Christmas Day.

a. Paid Holidays: A thru F, Lincoln's Birthday, Washington's Birthday, Election Day, Veterans's Day, provided the employee works 2 days in the calendar week in which the holiday falls and shape each remaining work day during such calendar week.

b. For each 15 days worked within the contract year an employee will receive one day's vacation with pay with a maximum vacation of 3 weeks per year.

-----		
TEAM0813A 12/01/1998		
	Rates	Fringes
TRUCKDRIVERS:		
GROUP 1	19.49	3.61+a
GROUP 2	19.76	3.61+a
GROUP 3	19.90	3.61+a
GROUP 4	20.23	3.61+a
GROUP 5	20.40	3.61+a
GROUP 6	21.29	3.61+a
GROUP 7	22.40	3.61+a
GROUP 8	19.90	3.61+a

FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr.'s Birthday, Presidents' Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Thanksgiving Day, Christmas Day, Employee's Birthday, Two(2) Personal Days, and any holiday or day of mourning proclaimed as such by the State or Federal Government.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Closed body trucks with self contained loading unit up to and including 22 yard capacity.

GROUP 2: Open trucks, rack body or trucks with no self contained mechanical loading device, up to 22 yard capacity. One-container tractor hoist

GROUP 3: 10 wheel, open trucks, container loaders, dino-master, over-cab loaders, rack body trucks, or any trucks 22 yards to and including 25 yards capacity.

GROUP 4: Rubbish and garbage trucks, 26 yards to and including 31 yards.

GROUP 5: Single axle working non-compactor containers up to 15 yards capacity on rubbish and garbage removal.

GROUP 6: Roll-off trucks up to and including 42 yard capacity.

GROUP 7: Roll-off truck with more than 42 yard capacity or any tractor trailer trucks.

GROUP 8: One-container tractor hoist on construction and alteration debris removal.

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.  
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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).  
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In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review

Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

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<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1 20	
2. AMENDMENT/MODIFICATION NO. 0009		3. EFFECTIVE DATE 09/21/99		4. REQUISITION/PURCHASE REQ. NO. W16ROE-8323-0698		5. PROJECT NO. (If applicable) DACA51-99-R-0006	
ISSUED BY US ARMY CORPS OF ENGINEERS, NYD ATTN: CENANCT-C, ROOM 1843 26 FEDERAL PLAZA NEW YORK, NY 10278 Ina Ohrwashel		CODE e3p0500 C06(212) 264-0154		7. ADMINISTERED BY (If other than Item 6) US ARMY CORPS OF ENGINEERS, NYD ATTN: CENANCT, ROOM 1843 26 FEDERAL PLAZA NEW YORK, NY 10278		CODE E3P0000	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Vendor ID: 00000044  ENRON FEDERAL SOLUTIONS INC 1400 SMITH STREET HOUSTON TX 77002-7361				(X)		9A. AMENDMENT OF SOLICITATION NO. - DACA51-99-R-0006	
				X		9B. DATED (SEE ITEM 11) 12/01/98	
						10A. MODIFICATION OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE IFVU8		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
<input checked="" type="checkbox"/> A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
<input type="checkbox"/> B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).							
<input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
<input type="checkbox"/> D. OTHER (Specify type of modification and authority)							
<b>E. IMPORTANT:</b> Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
This amendment is issued to replace old wage determination with new Wage Determination No. 94-2375 dated 06/01/99, Revision No. 14. to the solicitation in Section J.  Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) by							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
J. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY _____		(Signature of Contracting Officer)	



SF 30 CONTINUATION SHEET

completing Items 8 and 15, and returning 1 copy of this amendment;  
.b) by acknowledging receipt of this amendment on each copy  
of the offer submitted; or (c) By separate letter or telegram  
which includes a reference to the solicitation and amendment  
numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE  
PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE  
HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.

21 Sep 1999

MEMORANDUM FOR Chief, Contracting Division, ATTN: L Locke

SUBJECT: Davis Bacon Act and Service Contract Act Wage Determinations,  
DACA51-99-R-0006, Privatization of Utilities, Fort Hamilton, NY

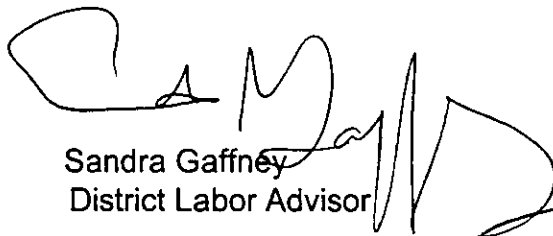
1. Forwarded herewith are the subject Wage Determinations effective this date for Kings County, New York

- a. Service Contract Act  
Wage Determination No: 94-2375  
Revision Number: 14  
Date of Last Revision: 06/01/1999

Please direct the contractor's attention to the section of the determination entitled "Request for Authorization of Additional Classification and Wage Rate". This section provides direction to the contractor on how to process a classification request if a service employee, covered by the Service Contract Act, will be employed to perform the contract work and the occupation is not included in this wage determination .

In addition, please advise me immediately if the proposed contract(s) succeeds one that contains a collective bargaining agreement .

- b. Davis Bacon Act  
Wage Determination NY990003  
Modification 8, Dated 9/10/99

  
Sandra Gaffney  
District Labor Advisor

Encl  
as

WAGE DETERMINATION NO: 94-2375 REV (14) AREA: NY, NEW YORK CITY  
\*\*\*FOR OFFICIAL USE ONLY BY FEDERAL AGENCIES PARTICIPATING IN MOU WITH DOL\*\*\*  
REGISTER OF WAGE DETERMINATION UNDER | U.S. DEPARTMENT OF LABOR  
THE SERVICE CONTRACT ACT | EMPLOYMENT STANDARDS ADMINISTRATION  
By direction of the Secretary of Labor | WAGE AND HOUR DIVISION  
| Washington, D.C. 20210  
|  
| Wage Determination No.: 94-2375  
| Revision No.: 14  
Division of | Wage Determinations | Date of Last Revision: 06/01/1999

Areas: New York COUNTIES OF Bronx, Kings, New York, Putnam, Queens,  
Richmond, Rockland, Westchester

**\*\* Fringe Benefits Required For All Occupations Included In  
This Wage Determination Follow The Occupational Listing \*\***

OCCUPATION CODE AND TITLE	MINIMUM HOURLY WAGE
Administrative Support and Clerical Occupations:	
01011 Accounting Clerk I	\$ 11.35
01012 Accounting Clerk II	\$ 14.16
01013 Accounting Clerk III	\$ 15.73
01014 Accounting Clerk IV	\$ 17.11
01030 Court Reporter	\$ 14.81
01050 Dispatcher, Motor Vehicle	\$ 14.81
01060 Document Preparation Clerk	\$ 13.30
01070 Messenger (Courier)	\$ 10.51
01090 Duplicating Machine Operator	\$ 13.30
01110 Film/Tape Librarian	\$ 14.68
01115 General Clerk I	\$ 10.51
01116 General Clerk II	\$ 10.60
01117 General Clerk III	\$ 13.30
01118 General Clerk IV	\$ 14.12
01120 Housing Referral Assistant	\$ 17.00
01131 Key Entry Operator I	\$ 11.68
01132 Key Entry Operator II	\$ 12.50
01191 Order Clerk I	\$ 10.72
01192 Order Clerk II	\$ 14.16
01261 Personnel Assistant (Employment) I	\$ 12.39
01262 Personnel Assistant (Employment) II	\$ 13.92
01263 Personnel Assistant (Employment) III	\$ 16.08
01264 Personnel Assistant (Employment) IV	\$ 17.39
01270 Production Control Clerk	\$ 17.00
01290 Rental Clerk	\$ 14.68
01300 Scheduler, Maintenance	\$ 14.68
01311 Secretary I	\$ 14.68
01312 Secretary II	\$ 14.81
01313 Secretary III	\$ 17.00
01314 Secretary IV	\$ 19.67
01315 Secretary V	\$ 22.99
01320 Service Order Dispatcher	\$ 14.68
01341 Stenographer I	\$ 13.07
01342 Stenographer II	\$ 14.68
01400 Supply Technician	\$ 19.67
01420 Survey Worker (Interviewer)	\$ 14.81
01460 Switchboard Operator-Receptionist	\$ 11.54
01510 Test Examiner	\$ 14.81

01520 Test Proctor	\$ 14.81
01531 Travel Clerk I	\$ 10.25
01532 Travel Clerk II	\$ 11.11
01533 Travel Clerk III	\$ 12.05
01611 Word Processor I	\$ 13.04
01612 Word Processor II	\$ 13.95
01613 Word Processor III	\$ 17.16
Automatic Data Processing Occupations:	
03010 Computer Data Librarian	\$ 13.39
03041 Computer Operator I	\$ 12.60
03042 Computer Operator II	\$ 14.42
03043 Computer Operator III	\$ 17.65
03044 Computer Operator IV	\$ 22.13
03045 Computer Operator V	\$ 22.43
03071 Computer Programmer I 1/	\$ 17.69
03072 Computer Programmer II 1/	\$ 21.61
03073 Computer Programmer III 1/	\$ 25.00
03074 Computer Programmer IV 1/	\$ 27.62
03101 Computer Systems Analyst I 1/	\$ 21.41
03102 Computer Systems Analyst II 1/	\$ 26.70
03103 Computer Systems Analyst III 1/	\$ 27.62
03160 Peripheral Equipment Operator	\$ 12.87
Automotive Service Occupations:	
05005 Automobile Body Repairer, Fiberglass	\$ 21.51
05010 Automotive Glass Installer	\$ 19.83
05040 Automotive Worker	\$ 19.83
05070 Electrician, Automotive	\$ 20.71
05100 Mobile Equipment Servicer	\$ 18.22
05130 Motor Equipment Metal Mechanic	\$ 21.51
05160 Motor Equipment Metal Worker	\$ 18.83
05190 Motor Vehicle Mechanic	\$ 21.51
05220 Motor Vehicle Mechanic Helper	\$ 17.38
05250 Motor Vehicle Upholstery Worker	\$ 19.04
05280 Motor Vehicle Wrecker	\$ 19.83
05310 Painter, Automotive	\$ 20.71
05340 Radiator Repair Specialist	\$ 19.83
05370 Tire Repairer	\$ 18.22
05400 Transmission Repair Specialist	\$ 21.51
Food Preparation and Service Occupations:	
07010 Baker	\$ 18.89
07041 Cook I	\$ 17.36
07042 Cook II	\$ 18.89
07070 Dishwasher	\$ 14.17
07100 Food Service Worker (Cafeteria Worker)	\$ 14.17
07130 Meat Cutter	\$ 18.89
07250 Waiter/Waitress	\$ 14.98
Furniture Maintenance and Repair Occupations:	
09010 Electrostatic Spray Painter	\$ 19.45
09040 Furniture Handler	\$ 14.78
09070 Furniture Refinisher	\$ 19.45
09100 Furniture Refinisher Helper	\$ 16.33
09110 Furniture Repairer, Minor	\$ 17.88
09130 Upholsterer	\$ 19.45
General Service and Support Occupations:	
11030 Cleaner, Vehicles	\$ 14.17
11060 Elevator Operator	\$ 14.17
11090 Gardener	\$ 17.36
11121 Housekeeping Aide I	\$ 13.26
11122 Housekeeping Aide II	\$ 14.17
11150 Janitor 2/	\$ 14.17
11210 Laborer, Grounds Maintenance	\$ 14.98
11240 Maid or Houseman	\$ 13.26
11270 Pest Controller	\$ 18.12
11300 Refuse Collector 3/	\$ 14.17

11330 Tractor Operator	\$ 16.55
11360 Window Cleaner	\$ 14.98
Health Occupations:	
12020 Dental Assistant	\$ 10.50
12040 Emergency Medical Technician/Paramedic Ambulance Driver	\$ 13.31
12071 Licensed Practical Nurse I	\$ 13.95
12072 Licensed Practical Nurse II	\$ 15.68
12073 Licensed Practical Nurse III	\$ 17.53
12100 Medical Assistant	\$ 9.39
12130 Medical Laboratory Technician	\$ 9.39
12160 Medical Record Clerk	\$ 9.39
12190 Medical Record Technician	\$ 13.01
12221 Nursing Assistant I	\$ 6.82
12222 Nursing Assistant II	\$ 11.54
12223 Nursing Assistant III	\$ 12.59
12224 Nursing Assistant IV	\$ 14.15
12250 Pharmacy Technician	\$ 11.71
12280 Phlebotomist	\$ 9.39
12311 Registered Nurse I	\$ 18.88
12312 Registered Nurse II	\$ 25.25
12313 Registered Nurse II, Specialist	\$ 25.25
12314 Registered Nurse III	\$ 27.18
12315 Registered Nurse III, Anesthetist	\$ 27.18
12316 Registered Nurse IV	\$ 29.71
Information and Arts Occupations:	
13002 Audiovisual Librarian	\$ 19.67
13011 Exhibits Specialist I	\$ 15.99
13012 Exhibits Specialist II	\$ 16.98
13013 Exhibits Specialist III	\$ 19.16
13041 Illustrator I	\$ 15.99
13042 Illustrator II	\$ 16.98
13043 Illustrator III	\$ 19.16
13047 Librarian	\$ 22.99
13050 Library Technician	\$ 14.81
13071 Photographer I	\$ 13.36
13072 Photographer II	\$ 15.99
13073 Photographer III	\$ 16.98
13074 Photographer IV	\$ 19.16
13075 Photographer V	\$ 23.17
Laundry, Drycleaning, Pressing and Related Occups:	
15010 Assembler	\$ 7.45
15030 Counter Attendant	\$ 7.45
15040 Dry Cleaner	\$ 9.47
15070 Finisher, Flatwork, Machine	\$ 7.45
15090 Presser, Hand	\$ 7.45
15100 Presser, Machine, Drycleaning	\$ 7.45
15130 Presser, Machine, Shirts	\$ 7.45
15160 Presser, Machine, Wearing Apparel, Laundry	\$ 7.45
15190 Sewing Machine Operator	\$ 10.17
15220 Tailor	\$ 10.93
15250 Washer, Machine	\$ 8.23
Machine Tool Operation and Repair Occupations:	
19010 Machine-Tool Operator (Toolroom)	\$ 19.45
19040 Tool and Die Maker	\$ 22.56
Materials Handling and Packing Occupations:	
21010 Fuel Distribution System Operator	\$ 17.13
21020 Material Coordinator	\$ 15.63
21030 Material Expediter	\$ 15.63
21040 Material Handling Laborer	\$ 15.27
21050 Order Filler	\$ 13.68
21071 Forklift Operator	\$ 15.69
21080 Production Line Worker (Food Processing)	\$ 14.27
21100 Shipping/Receiving Clerk	\$ 11.83
21130 Shipping Packer	\$ 11.83

21140 Store Worker I	\$ 10.58
21150 Stock Clerk (Shelf Stocker; Store Worker II)	\$ 11.84
21210 Tools and Parts Attendant	\$ 15.85
21400 Warehouse Specialist	\$ 13.09
Mechanics and Maintenance and Repair Occupations:	
23010 Aircraft Mechanic	\$ 20.22
23040 Aircraft Mechanic Helper	\$ 16.33
23050 Aircraft Quality Control Inspector	\$ 21.00
23060 Aircraft Servicer	\$ 17.88
23070 Aircraft Worker	\$ 18.65
23100 Appliance Mechanic	\$ 19.45
23120 Bicycle Repairer	\$ 17.13
23125 Cable Splicer	\$ 20.22
23130 Carpenter, Maintenance	\$ 19.45
23140 Carpet Layer	\$ 18.65
23160 Electrician, Maintenance	\$ 24.67
23181 Electronics Technician, Maintenance I	\$ 14.17
23182 Electronics Technician, Maintenance II	\$ 19.45
23183 Electronics Technician, Maintenance III	\$ 20.76
23260 Fabric Worker	\$ 17.88
23290 Fire Alarm System Mechanic	\$ 20.22
23310 Fire Extinguisher Repairer	\$ 17.13
23340 Fuel Distribution System Mechanic	\$ 20.22
23370 General Maintenance Worker	\$ 18.34
23400 Heating, Refrigeration and Air-Conditioning Mechanic	\$ 20.22
23430 Heavy Equipment Mechanic	\$ 20.22
23440 Heavy Equipment Operator	\$ 20.22
23460 Instrument Mechanic	\$ 20.22
23470 Laborer	\$ 14.53
23500 Locksmith	\$ 19.62
23530 Machinery Maintenance Mechanic	\$ 19.70
23550 Machinist, Maintenance	\$ 20.11
23580 Maintenance Trades Helper	\$ 16.33
23640 Millwright	\$ 20.22
23700 Office Appliance Repairer	\$ 19.45
23740 Painter, Aircraft	\$ 19.45
23760 Painter, Maintenance	\$ 19.45
23790 Pipefitter, Maintenance	\$ 24.98
23800 Plumber, Maintenance	\$ 19.45
23820 Pneudraulic Systems Mechanic	\$ 20.22
23850 Rigger	\$ 20.22
23870 Scale Mechanic	\$ 18.65
23890 Sheet-Metal Worker, Maintenance	\$ 23.25
23910 Small Engine Mechanic	\$ 18.65
23930 Telecommunications Mechanic I	\$ 20.22
23931 Telecommunications Mechanic II	\$ 23.55
23950 Telephone Lineman	\$ 20.22
23960 Welder, Combination, Maintenance	\$ 20.22
23965 Well Driller	\$ 20.22
23970 Woodcraft Worker	\$ 20.22
23980 Woodworker	\$ 17.13
Personal Needs Occupations:	
24570 Child Care Attendant	\$ 12.97
24580 Child Care Center Clerk	\$ 16.17
24600 Chore Aide	\$ 12.24
24630 Homemaker	\$ 17.96
Plant and System Operation Occupations:	
25010 Boiler Tender	\$ 20.22
25040 Sewage Plant Operator	\$ 19.45
25070 Stationary Engineer	\$ 20.22
25190 Ventilation Equipment Tender	\$ 16.33
25210 Water Treatment Plant Operator	\$ 19.45
Protective Service Occupations:	
27004 Alarm Monitor	\$ 13.04

27006 Corrections Officer	\$ 19.21
27010 Court Security Officer	\$ 19.21
27040 Detention Officer	\$ 19.21
27070 Firefighter	\$ 19.98
27101 Guard I	\$ 8.09
27102 Guard II	\$ 13.04
27130 Police Officer	\$ 19.80
Stevedoring/Longshoremen Occupational Services:	
28010 Blocker and Bracer	\$ 16.30
28020 Hatch Tender	\$ 16.30
28030 Line Handler	\$ 16.30
28040 Stevedore I	\$ 15.63
28050 Stevedore II	\$ 17.00
Technical Occupations:	
29010 Air Traffic Control Specialist, Center 4/	\$ 25.03
29011 Air Traffic Control Specialist, Station 4/	\$ 17.26
29012 Air Traffic Control Specialist, Terminal 4/	\$ 19.02
29023 Archeological Technician I	\$ 12.26
29024 Archeological Technician II	\$ 13.71
29025 Archeological Technician III	\$ 16.98
29030 Cartographic Technician	\$ 16.98
29035 Computer Based Training (CBT) Specialist/Instructor	\$ 21.41
29040 Civil Engineering Technician	\$ 16.98
29061 Drafter I	\$ 12.15
29062 Drafter II	\$ 13.36
29063 Drafter III	\$ 15.99
29064 Drafter IV	\$ 16.98
29081 Engineering Technician I	\$ 13.00
29082 Engineering Technician II	\$ 15.00
29083 Engineering Technician III	\$ 18.38
29084 Engineering Technician IV	\$ 19.52
29085 Engineering Technician V	\$ 22.03
29086 Engineering Technician VI	\$ 24.00
29090 Environmental Technician	\$ 22.13
29100 Flight Simulator/Instructor (Pilot)	\$ 26.70
29150 Graphic Artist	\$ 21.41
29160 Instructor	\$ 21.41
29210 Laboratory Technician	\$ 17.65
29240 Mathematical Technician	\$ 19.52
29361 Paralegal/Legal Assistant I	\$ 14.81
29362 Paralegal/Legal Assistant II	\$ 19.23
29363 Paralegal/Legal Assistant III	\$ 23.52
29364 Paralegal/Legal Assistant IV	\$ 28.46
29390 Photooptics Technician	\$ 19.52
29480 Technical Writer	\$ 23.69
29491 Unexploded Ordnance Technician I	\$ 15.91
29492 Unexploded Ordnance Technician II	\$ 19.25
29493 Unexploded Ordnance Technician III	\$ 23.08
29494 Unexploded Safety Escort	\$ 15.91
29495 Unexploded Sweep Personnel	\$ 15.91
29620 Weather Observer, Senior 5/	\$ 19.60
29621 Weather Observer, Combined Upper Air & Surface Programs 5/	\$ 17.65
29622 Weather Observer, Upper Air 5/	\$ 17.65
Transportation/Mobile Equipment Operation Occups:	
31030 Bus Driver	\$ 15.55
31260 Parking and Lot Attendant	\$ 10.60
31290 Shuttle Bus Driver	\$ 12.97
31300 Taxi Driver	\$ 14.33
31361 Truckdriver, Light Truck	\$ 14.91
31362 Truckdriver, Medium Truck	\$ 16.25
31363 Truckdriver, Heavy Truck	\$ 20.80
31364 Truckdriver, Tractor-Trailer	\$ 20.80
Miscellaneous Occupations:	
99020 Animal Caretaker	\$ 15.77

99030 Cashier	\$ 10.58
99041 Carnival Equipment Operator	\$ 16.55
99042 Carnival Equipment Repairer	\$ 17.36
99043 Carnival Worker	\$ 14.17
99050 Desk Clerk	\$ 12.97
99095 Embalmer	\$ 17.42
99300 Lifeguard	\$ 11.54
99310 Mortician	\$ 17.42
99350 Park Attendant (Aide)	\$ 14.50
99400 Photofinishing Worker (Photo Lab Tech., Darkroom Tech)	\$ 11.54
99500 Recreation Specialist	\$ 17.96
99510 Recycling Worker	\$ 16.55
99610 Sales Clerk	\$ 11.54
99620 School Crossing Guard (Crosswalk Attendant)	\$ 14.17
99630 Sports Official	\$ 11.54
99658 Survey Party Chief (Chief of Party)	\$ 17.02
99659 Surveying Technician (Instr. Person/Surveyor Asst./Instr.)	\$ 15.27
99660 Surveying Aide	\$ 11.14
99690 Swimming Pool Operator	\$ 18.89
99720 Vending Machine Attendant	\$ 12.67
99730 Vending Machine Repairer	\$ 17.04
99740 Vending Machine Repairer Helper	\$ 13.77

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\*\* Fringe Benefits Required For All Occupations Included In  
This Wage Determination \*\*

HEALTH & WELFARE: \$1.63 an hour or \$65.20 a week or \$282.53 a month.  
 VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 5 years; 4 weeks after 10 years; 5 weeks after 20 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 4.173)  
 HOLIDAYS: Minimum of ten paid holidays per year: New Year's Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

1/

Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See 29 CFR 4.156)

2/

The wage rate applies to Putnam, Rockland, and Westchester counties only.

3/

The wage rate applies to Putnam and Rockland counties only.

4/

APPLICABLE TO AIR TRAFFIC CONTROLLERS ONLY - NIGHT DIFFERENTIAL: An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

5/

WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employee (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

\*\* UNIFORM ALLOWANCE \*\*

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by



the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$4.25 per week (or \$.85 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**\*\* NOTES APPLYING TO THIS WAGE DETERMINATION \*\***

**Source of Occupational Titles and Descriptions:**

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Second Supplement, dated August 1995, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

**REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE  
{Standard Form 1444 (SF 1444)}**

**Conformance Process:**

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C) (vi)} When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation) and computes a proposed rate).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title), a Federal grade equivalency (FGE) for each proposed classification), job description), and rationale for proposed wage rate), including information regarding the agreement or disagreement of the

authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.

3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).

4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.

5) The contracting officer transmits the Wage and Hour decision to the contractor.

6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

---

6

6

General Decision Number NY990003

Superseded General Decision No. NY980003

State: New York

Construction Type:

BUILDING

HEAVY

HIGHWAY

RESIDENTIAL

County(ies):

BRONX

NEW YORK

RICHMOND

KINGS

QUEENS

BUILDING & RESIDENTIAL CONSTRUCTION PROJECTS (includes  
single family homes and apartments up to and including 4  
stories), HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number

Publication Date

0	03/12/1999
1	04/09/1999
2	05/07/1999
3	06/04/1999
4	07/02/1999
5	07/30/1999
6	08/20/1999
7	09/03/1999
8	09/10/1999

COUNTY(ies):

BRONX

NEW YORK

RICHMOND

KINGS

QUEENS

ASBE0012A 07/01/1999

Rates

Fringes

ASBESTOS/INSULATOR WORKERS:

SCOPE OF WORK:

includes application of all  
insulating materials, protective  
coverings, coatings and finishing  
to all types of mechanical  
systems.

32.31

19.64

BOIL0005A 09/01/1998

Rates

Fringes

BOILERMAKER

\$35.00

3.75+47%+a

FOOTNOTE:

a. PAID HOLIDAYS: New Years Day, Thanksgiving Day, Memorial  
Day, Independence Day, Labor Day and Good Friday, Friday after  
Thanksgiving, Christmas Eve Day and New Years Eve

\* BRNY0001A 01/01/1999

Rates

Fringes

BRICKLAYERS

31.77

15.46

STONEMASONS

30.69

17.90

BRNY0001B 07/01/1999

Rates

Fringes

POINTERS, CLEANERS &amp; CAULKERS

29.80

11.50

\* BRNY0003A 07/01/1999

Rates

Fringes

TERRAZZO WORKERS	31.38	14.60
TERRAZZO FINISHERS	30.07	14.60
-----		
BRNY0004A 07/01/1999		
	Rates	Fringes
MARBLE SETTERS	27.61	15.65
-----		
* BRNY0020A 07/01/1999		
	Rates	Fringes
MARBLE FINISHERS	27.72	16.87
-----		
* BRNY0024A 07/01/1999		
	Rates	Fringes
MARBLE POLISHERS	29.74	12.38
-----		
BRNY0052A 05/01/1999		
	Rates	Fringes
TILE LAYERS	30.26	14.32
-----		
BRNY0088A 06/01/1999		
	Rates	Fringes
TILE FINISHERS	25.74	12.08
-----		
CARP0001Y 01/01/1998		
	Rates	Fringes
CARPENTERS:		
Carpenters & Soft floor		
layers	30.06	18.47
-----		
CARP0740A 01/01/1996		
	Rates	Fringes
MILLWRIGHTS	28.53	18.91
-----		
CARP1456E 07/01/1998		
	Rates	Fringes
DOCKBUILDERS	29.15	19.73
-----		
CARP1456F 07/01/1998		
	Rates	Fringes
DIVERS	35.89	19.73
DIVER TENDERS	26.43	19.73
-----		
ELEC0003A 05/13/1999		
	Rates	Fringes
ELECTRICIANS	34.00	24.681
Jobbing, and maintenance		
and repair work	19.75	7.143+a
PAID HOLIDAYS:		
a. New Years Day, Washington's Birthday, Memorial Day,		
Independence Day, Labor Day, Columbus Day, Election Day,		
Thanksgiving Day, the day after Thanksgiving Day, and Christmas		
Day		
-----		
ELEC0003H 07/01/1995		
	Rates	Fringes
ASSEMBLER/WIREMAN	17.78	3.38
-----		
ELEC1049A 10/05/1997		
	Rates	Fringes
QUEENS COUNTY		
LINE CONSTRUCTION:		
Substation and Switching		
structures pipe type cable		
installation and maintenance jobs		

or projects; Railroad electrical  
distribution/transmission systems  
maintenance (when work is not  
performed by railroad employees)  
Overhead and Underground transmission/  
distribution line work. Fiber optic,  
telephone cable and equipment

Lineman and Cable Splicer;	29.16	3.37+15.5%
Heavy Equipment Operator;	23.33	3.37+15.5%
Groundman	17.50	3.37+15.5%
Tree Trimmer	17.74	3.37+15.5%

-----  
ELEV0001B 07/01/1998

	Rates	Fringes
ELEVATOR MECHANICS (New Construction)	34.415	10.805+a
ELEVATOR MECHANICS (Modernization and Repair)	28.576	- 10.655+a

FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day, Lincoln's Birthday,  
Washington's Birthday, Memorial Day, Independence Day,  
Labor Day, Columbus Day, Veteran's Day, Thanksgiving Day,  
Friday after Thanksgiving, and Christmas Day.

PAID VACATION: Employer contributes 8% of regular basic  
hourly rate as vacation pay for employees with more than  
5 years of service, and 6% for employees with less than  
5 years of service

-----  
ENGI0014B 07/01/1998

	Rates	Fringes
POWER EQUIPMENT OPERATORS (HEAVY & HIGHWAY):		
GROUP 1	42.33	16.45+a
GROUP 2	34.64	16.45+a
GROUP 3	34.39	16.45+a
GROUP 4	33.53	16.45+a
GROUP 5	32.84	16.45+a
GROUP 6	32.07	16.45+a
GROUP 7	32.06	16.45+a
GROUP 9	30.35	16.45+a
GROUP 10	30.20	16.45+a
GROUP 11	28.10	16.45+a
GROUP 12	28.74	16.45+a
GROUP 13	28.37	16.45+a
GROUP 14	20.95	16.45+a
GROUP 15	19.79	16.45+a

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Tower crane  
GROUP 2: Backhoes, power shovel, Hydraulic clam shells,  
moles and machines of a similar type  
GROUP 3: Mine hoists and crane, etc. used as mine hoists  
GROUP 4: Gradalls, keystones, cranes (with digging buckets),  
bridge cranes, trenching machines, vermeer cutter and machines  
of a similar nature  
GROUP 5: Piledrivers, derrick boats, tunnel shovels  
GROUP 6: Raise bore drill, and machines of a similar nature  
GROUP 7: Back filling machines, cranes, mucking machines,  
dual drum pavers  
GROUP 8: Mixers (concrete w/loading attachments), concrete  
pavers, cableways, land derricks, power house (low pressure  
units), concrete pumps  
GROUP 9: Concrete plants, well drilling machines, stone crushers  
double drum hoist, power house (other than above)  
GROUP 10: Concrete mixers  
GROUP 11: Elevators  
GROUP 12: Concrete breaking machine, Hoists (single drum),

load masters, locomotive and dinkies over 10 tons,  
 GROUP 13: Vibratory console  
 GROUP 14: Compressors (portable 3 or more in battery),  
 tugger machine (caissons) well point pumps, chum drill  
 GROUP 15: Boilers, (high pressure, compressors (portable,  
 single, or 2 in battery, not over 100' apart), pumps (river  
 cofferdam and welding machines (except where arc is operated by  
 members of local 15) push button machines, all engines  
 irrespective of power (power pac) used to drive auxilliary  
 equipment, air, hydraulic etc.

100' to 149' boom - add .50

150' to 249' boom - add .75

250' to 349' boom - add 1.00

350' to 450' boom - add 1.50

#### UTILITY CONSTRUCTION:

Utility compressors	19.67	16.45+a
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Off shift compressors	25.23	16.45+a
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Horizontal boring rig	30.06	16.45+a
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#### PAVING CONSTRUCTION:

Asphalt spreader	31.07	16.45+a
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Asphalt roller	30.20	16.45+a
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Asphalt plants	26.38	16.45+a
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#### STEEL ERECTION:

Three drum derricks	39.03	16.45+a
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Cranes, Hydraulic Cranes,

2 drum derricks, Forklifts,

Boom Trucks	37.44	16.45+a
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Compressors, Welding Machines	27.08	16.45+a
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#### Premiums for Cranes on Steel Erection:

100' to 149' boom - add 1.25

150' to 249' boom - add 1.50

250' to 349' boom - add 1.75

350' to 450' boom - add 2.25

Tower crane - add 1.50

#### FOOTNOTE:

a. Paid Holidays: New Year's Day; Lincoln's Birthday;  
 Washington's Birthday; Memorial Day; Independence Day;  
 Labor Day; Veterans Day; Columbus Day; Election Day;  
 Thanksgiving Day; and Christmas Day; provided the employee  
 works one day the payroll week in which the holiday occurs.

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 ENGI0014C 07/01/1998

	Rates	Fringes
POWER EQUIPMENT OPERATORS		
(BUILDING & RESIDENTIAL):		
GROUP 1	36.98	15.05+a
GROUP 2	36.36	15.05+a
GROUP 3	35.11	15.05+a
GROUP 4	28.55	15.05+a

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Double drum

GROUP 2: Stone derrick, cranes, hydraulic cranes, boom trucks

GROUP 3: Hoists, fork lift, house cars, plaster (platform  
 machine), plaster bucket, concrete pump and all other equipment  
 used for hoisting material

GROUP 4: Compressors, welding machines (cutting concrete work),  
 paint spraying, sand blasting, pumps (with the exclusion of  
 concrete pumps), house car (settlement basis only), all engines  
 irrespective of power (power pac) used to drive auxiliary  
 equipment, air, hydraulic, etc., boilers

#### Premiums for Cranes:

100'-149' boom - add 1.25

150'-249' boom - add 1.50

250'-349' boom - add 1.75

350'-450' boom - add 2.25  
 Tower cranes add 1.50

## FOOTNOTE:

- a. PAID HOLIDAYS: New Year's Day, Lincoln's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Columbus Day, Election Day, Thanksgiving Day, and Christmas Day, provided the employee works one day in the payroll week in which the holiday occurs

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IRON0040P 07/01/1999		
	Rates	Fringes
BRONX, NEW YORK, RICHMOND IRONWORKERS (STRUCTURAL)	30.45	30.68
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IRON0046C 07/01/1998		
	Rates	Fringes
IRONWORKERS (METALLIC LATHERS)	32.95	17.47
-----		
IRON0197A 01/01/1999		
	Rates	Fringes
IRONWORKERS (STONE DERRICKMAN)	32.18	22.69
-----		
IRON0361P 07/01/1999		
	Rates	Fringes
KINGS, QUEENS IRONWORKERS (STRUCTURAL)	30.45	30.68
-----		
IRON0580A 01/01/1999		
	Rates	Fringes
IRONWORKERS (ORNAMENTAL)	28.75	23.55
-----		
	Rates	Fringes
BUILDING CONSTRUCTION LABORERS:		
CEMENT AND CONCRETE WORKERS	\$26.05	9.51
-----		
LABO0029A 07/01/1995		
	Rates	Fringes
LABORERS: (Heavy)		
Blasters	30.13	11.90
Blasters (hydraulic trac drill)	30.65	11.90
Hydraulic Trac Drill	27.22	11.90
Wagon; Airtrac; Quarry Bar		
Drill Runners	26.73	11.90
Jackhammers, Chippers, Spaders, Concrete Breakers, All Other Pneumatic Tools, Walk Behind Self-Propelled Hydraulic Asphalt and Concrete Breaker	26.07	11.90
Powder Carriers	23.58	11.90
-----		
LABO0079A 07/01/1998		
	Rates	Fringes
LABORERS: (Building)		
Mason Tenders	24.00	12.19
Demolition Laborers		
Tier A	25.00	12.19
Tier B	14.00	6.00

## CLASSIFICATIONS

TIER A: Responsible for the removal of all interior petitions and structural petitions that can consist of sheet rock, block or masonry. Also, all structural slab openings for ducts, mechanical, shafts, elevators, slab openings and exterior walls where the building is not being completely demolished.

TIER B: Responsible for shoveling of debris into containers, pushing containers from the inside to the outside of the building.

LABO0147A 07/01/1998

	Rates	Fringes
LABORERS		

FREE AIR TUNNEL WORKERS

Tunnel Workers (including Maintenance Men, Inside Muck Lock Tenders, Pump Men Electricians, Cement Finishers, Caulkers, Hydraulic Men, Sheild Men, Monorail Operators, Motor Men, Track Men Painters, Nippers, Brakemen, Cable Men, Hose Men, Grout Men, Gravel Men, Form Workers, Concrete Workers, Tunnel Laborers, Mole Nipper (one (1) Mole Sipper per Working Shaft per Shift for up to and including Two (2) Moles)

LABORERS	24.57	12.54
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LABO0731A 07/01/1998

	Rates	Fringes
LABORERS: (Building,		

Heavy and Residential):

UNSKILLED	25.39	13.34
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UTILITY LABORER	25.24	13.34
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Paid Holidays:

Labor Day and Thanksgiving Day

LABO0999M 06/01/1996

	Rates	Fringes
Asbestos Removal Workers	18.00	4.00

LABO1010A 01/01/1999

	Rates	Fringes
LABORERS HIGHWAY CONSTRUCTION:		

FORMSETTERS	29.19	13.60+a
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LABORERS	26.09	13.60+a
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FOOTNOTES:

a. PAID HOLIDAYS: Memorial Day, Fourth of July, Labor Day, Columbus Day, Election Day and Thanksgiving Day, provided the employee has worked one (1) day in the calendar week in which the said holiday occurs.

LABO1018A 01/01/1999

	Rates	Fringes
LABORERS:		

Asphalt Rakers	29.06	13.60+a
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Asphalt Tampers	26.62	13.60+a
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Asphalt Laborers	26.51	13.60+a
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Screedman	29.43	13.60+a
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FOOTNOTE:

a. Paid Holidays: Memorial Day, Independence Day, Labor Day, Columbus Day, Election Day, Veterans Day, and Thanksgiving Day

	Rates	Fringes
PAINTERS		

Painters, Drywall Finishers		
and Lead Abatement Worker	27.25	12.91

Spray, Scaffold and Sandblasting	30.25	12.91
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GLAZIERS	27.34	16.22
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PAI0806A 10/01/1998

	Rates	Fringes
PAINTERS:		

Structural steel



and Bridge	34.50	18.19
<hr/>		
PAIN1974A 01/01/1999		
	Rates	Fringes
DRYWALL TAPERS/POINTERS	31.86	
<hr/>		
PLAS0260A 02/01/1999		
	Rates	Fringes
BRONX, NEW YORK AND RICHMOND COUNTIES:		
PLASTERERS	26.41	15.55
<hr/>		
PLAS0260B 07/01/1998		
	Rates	Fringes
KINGS AND QUEENS COUNTIES PLASTERERS	26.41	15.14
<hr/>		
PLAS0530A 02/03/1999		
	Rates	Fringes
DRYWALL PLASTERERS	26.31	12.65
<hr/>		
PLAS0780A 07/01/1999		
	Rates	Fringes
CEMENT MASONS	35.00	14.14
<hr/>		
PLUM0001K 07/01/1998		
	Rates	Fringes
PLUMBERS:		
KING AND QUEENS COUNTIES	35.41	21.56
JOBING AND ALTERATIONS		
Any repair and or replacement of the present plumbing the existing roughing	20.97	7.43
<hr/>		
PLUM0002K 07/03/1996		
	Rates	Fringes
PLUMBERS:		
BRONX AND NEW YORK COUNTIES	33.91	20.55
Jobbing - repair and or replacement of the present plumbing system that does not change the existing roughing	21.28	8.76
<hr/>		
PLUM0371A 07/01/1995		
	Rates	Fringes
RICHMOND COUNTY PLUMBERS	32.26	10.28
JOBING and ALTERATIONS		
Any repair and or replace- ment of the present plumbing system that does not change the existing roughing	19.49	8.50
<hr/>		
PLUM0638A 07/01/1998		
	Rates	Fringes
SPRINKLER FITTERS,		
STEAMFITTERS	31.55	20.84
SERVICE FITTERS	21.45	5.31
Service Fitter work shall consist of all repair, service and maintenance work on domestic, commerical and industrial refrigeration, air conditioning and air cooling, stoker and oil burner apparatus and heating apparatus etc., including but not exclusively the charging, evacuation, leak testing and assembling		

for all machines for domestic, commercial and industrial refrigeration, air conditioning and heating apparatus. Also, work shall include adjusting, including capacity adjustments, checking and repairing or replacement of all controls and start up of all machines and repairing all defects that may develop on any system for domestic, commercial and industrial refrigeration and all air conditioning, air cooling, stoker and oil burner apparatus and heating apparatus regardless of size or type.

-----  
 ROOF0008C 07/01/1998

	Rates	Fringes
ROOFERS	26.58	15.30

SHEE0028B 07/29/1999

	Rates	Fringes
SHEET METAL WORKERS	32.66	20.19

-----  
 TEAM0282B 07/01/1998

	Rates	Fringes
TRUCK DRIVERS:		
Asphalt	26.56	15.95+a+b
High Rise	28.96	15.95+a+b
Euclids & Turnapulls	26.79	15.9525+a+b

FOOTNOTES:

PAID HOLIDAYS: A-New Year's Day; B-Memorial Day; C-Independence Day; D-Labor Day; E-Thanksgiving Day; F-Christmas Day.

a. Paid Holidays: A thru F, Lincoln's Birthday, Washington's Birthday, Election Day, Veterans's Day, provided the employee works 2 days in the calendar week in which the holiday falls and shape each remaining work day during such calendar week.

b. For each 15 days worked within the contract year an employee will receive one day's vacation with pay with a maximum vacation of 3 weeks per year.

-----  
 TEAM0813A 12/01/1998

	Rates	Fringes
TRUCKDRIVERS:		
GROUP 1	19.49	3.61+a
GROUP 2	19.76	3.61+a
GROUP 3	19.90	3.61+a
GROUP 4	20.23	3.61+a
GROUP 5	20.40	3.61+a
GROUP 6	21.29	3.61+a
GROUP 7	22.40	3.61+a
GROUP 8	19.90	3.61+a

FOOTNOTE:

- a. PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr.'s Birthday, Presidents' Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Thanksgiving Day, Christmas Day, Employee's Birthday, Two(2) Personal Days, and any holiday or day of mourning proclaimed as such by the State or Federal Government.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Closed body trucks with self contained loading unit up to and including 22 yard capacity.

GROUP 2: Open trucks, rack body or trucks with no self contained tractor hoist

GROUP 3: 10 wheel, open trucks, container loaders, dino-master, over-cab loaders, rack body trucks, or any trucks 22 yards to and including 25 yards capacity.

GROUP 4: Rubbish and garbage trucks, 26 yards to and including 31 yards.

GROUP 5: Single axle working non-compactor containers up to 15 yards capacity on rubbish and garbage removal.

GROUP 6: Roll-off trucks up to and including 42 yard capacity.  
GROUP 7: Roll-off truck with more than 42 yard capacity or any tractor trailer trucks.  
GROUP 8: One-container tractor hoist on construction and alteration debris removal.

-----  
WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.  
=====

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).  
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In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION



U 9/3/99 HMR 9/3/99

# AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1 2

AMENDMENT/MODIFICATION NO.

3. EFFECTIVE DATE

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. (If applicable)

0-431

09/03/99

W16ROE-8323-0698

DACA51-99-R-0006

SUBMITTED BY

CODE

e3p0500

7. ADMINISTERED BY (If other than Item 6)

CODE

E3P0000

CONTRACTING - CONTRACTS BRANCH

26 FEDERAL PLAZA

ROOM 1843

NEW YORK, NY 10278

Ina Ohrwassel

C06 (212) 264-0154

CONTRACTING DIVISION

26 FEDERAL PLAZA

ROOM 1843

NEW YORK, NY 10278

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Vendor ID: 00000044

ENRON FEDERAL SOLUTIONS INC

1400 SMITH STREET

HOUSTON TX 77002-7361

(X)

9A. AMENDMENT OF SOLICITATION NO.

DACA51-99-R-0006

X

9B. DATED (SEE ITEM 11)

12/01/98

10A. MODIFICATION OF CONTRACT/ORDER NO.

10B. DATED (SEE ITEM 13)

CODE

IFVU8

FACILITY CODE

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

ACCOUNTING AND APPROPRIATION DATA (If required)

## 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return        copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This amendment is issued to add the following clauses to subject solicitation.

Add the following clause the section H.

"H.25 Year 2000 Compliance

As provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

BY

(Signature of Contracting Officer)

SF 30 CONTINUATION SHEET

The Contractor shall ensure products under this contract, to include hardware, software, firmware, and middleware, whether acting alone or combined as a system, as Year 2000 compliant as defined in FAR Part 39."

Add the following clause to Section I

"FAR 52.232-18 Availability of Funds (Apr 1984)"

Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copy of this amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1 33	
2. AMENDMENT/MODIFICATION NO. 0007		3. EFFECTIVE DATE 08/19/99		4. REQUISITION/PURCHASE REQ. NO. W16ROE-8323-0698		5. PROJECT NO. (if applicable) DACA51-99-R-0006	
ISSUED BY US ARMY CORPS OF ENGINEERS, NYD ATTN: CENANCT-C, ROOM 1843 26 FEDERAL PLAZA NEW YORK NY 10278 Ina Ohrwashel		CODE e3p0500		7. ADMINISTERED BY (if other than Item 6) CONTRACTING DIVISION 26 FEDERAL PLAZA ROOM 1843 NEW YORK, NY 10278		CODE E3P0000	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Vendor ID: 00000044  ENRON FEDERAL SOLUTIONS INC 1775 EYE STREET NW STE 800 WASHINGTON DC 20006				(X)		9A. AMENDMENT OF SOLICITATION NO. DACA51-99-R-0006	
				X		9B. DATED (SEE ITEM 11) 12/01/98	
						10A. MODIFICATION OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE IFVU8		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
ACCOUNTING AND APPROPRIATION DATA (if required)							
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
<input checked="" type="checkbox"/> A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
<input type="checkbox"/> B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).							
<input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
<input type="checkbox"/> D. OTHER (Specify type of modification and authority)							
<b>E. IMPORTANT:</b> Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
<b>14. DESCRIPTION OF AMENDMENT/MODIFICATION</b> (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  By this amendment, offerors are notified that discussions are concluded and that this is an opportunity to submit a final proposal revision. Final proposal revisions shall be in writing and the Government intends to make award without obtaining further revisions. Offers must be received at the address shown in Block #6, of this form (Attention: Ina Ohrwashel) by 12:30 P.M. local time, 30 August 1999.  This amendment is also issued to amend the language in the following clauses as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
NAME AND TITLE OF SIGNER (Type or print)				18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
CONTRACTOR/OFFEROR		15C. DATE SIGNED		18B. UNITED STATES OF AMERICA		18C. DATE SIGNED	
(Signature of person authorized to sign)				BY _____ (Signature of Contracting Officer)			

SF 30 CONTINUATION SHEET

as a result of discussions with the offeror(s).

Schedule B is revised to add CLINs 0041 - through 0050. Please complete the revised Schedule B to include your final proposed prices and return to this office no later than 30 August 1999. The proposed prices must reflect a 10 year finance period for all improvements.

The following clauses are added to this solicitation and are applicable to Contract Line Item Numbers 00041 through 0050 only:

FAR 52.233-3 -- Protest After Award (Aug. 1996), Alternate I (Jun 1985)

FAR 52.242-1 -- Notice of Intent to Disallow Costs (Apr 1984)

Add the following language after the last sentence of paragraph C.2.2.4.2

"The successful offeror will acquire ownership of the wastewater and storm systems at Fort Hamilton and will be responsible for the upgrading and maintenance thereof."

If after the date of award of the Contract there is a change in federal, state or local laws, regulations, rules or administrative or judicial interpretations thereof ("Laws") that (1) causes the Contractor to have to make an addition or improvement to the Utility Distribution Systems, as described in Section B.2.3, or an unforecasted annual capital improvement or addition to such systems, as described in Section B.2.2, in each case only to the extent that such improvement or addition was not reflected in the construction and annual improvement plan submitted by the Contractor pursuant to this Contract, or (2) results in the Contractor incurring increased costs to operate and maintain the Utility Distribution Systems then the Contractor shall provide written notice of such change and the resulting increase in capital or operating costs resulting therefrom. If a change in Law results in a reduction in or elimination of an addition or improvement that was required to be made by the Contractor in its construction and maintenance plan (and the Contractor in its prudent business judgment elects not to make such addition or improvement) or in an operating cost otherwise assumed by the Contractor, then the Contractor shall provide written notice of such change in Law and the resulting decrease in capital or operating costs resulting therefrom. Any such change in law as described in this paragraph shall be handled in accordance with the "Changes" clause contained within this Contract (FAR 52.243-1 and Alternate I, as reflected at I.32, and added by this document, respectively).

Delete the first two sentences C.13.1 and replace with the following:

The Government will provide easements and/or rights-of-way access to the



equipment and/or facilities conveyed to the Contractor and which may be reasonably necessary for the additional facilities to be constructed by the Contractor pursuant to this Contract, including any necessary "lay down" areas upon which the Contractor or its subcontractors will need to locate construction equipment and materials during the construction or upgrading of the facilities. The parties acknowledge that the Contractor will not as of the date of Contract execution have definitively determined its overall construction and upgrade plan and the Government shall use its best efforts to accommodate reasonable requests of the Contractor for easement and access rights necessary for the Contractor to carry out its obligations under the Contract.

Add to the end of C.13;

"C.13.3 Contractor Financing. If the Contractor utilizes third party financing from a bank or other financing entity to fund all or a portion of the costs of (1) acquiring title to and ownership of the existing facilities which are to be acquired by the Contractor and (2) constructing new facilities and upgrading existing ones in accordance with the plans submitted by the Contractor, then the parties agree to negotiate in good faith such provisions or modifications that may be reasonably necessary to accommodate such financing and that are consistent with applicable laws and regulations.

C.13.4 Order of Precedence. For purposes of the Order of Precedence Clause at Section I.17 (52.215-8), the Easement is subordinate to the "Contract clauses."

The first sentence of existing Section H.8 shall become Section H.8.1. and add a new H.8.2. as follows:

H.8.2 If as a result of a change in Law or an action taken or proposed to be taken by the Government (other than an act resulting from the breach or default by the Contractor), including a sale or lease of all or a portion of the Fort Hamilton Reservation to third parties, (1) the Contractor (and/or its ultimate parent company) is or would be reasonably likely to be determined to be in violation of federal, state or local utility or other Law or (2) such change in Law or Government action would be reasonably likely to adversely affect the exemption of the Contractor (and/or its ultimate parent company) from such utility or other Law (including the Public Utility Holding Company Act of 1935 and New York Utility Law), then the Contractor shall provide written notice to the Government of an event

or circumstance described in clauses (1) or (2) above, including a detailed written analysis of the underlying factual and legal bases therefor. Promptly upon receipt of any such notice, the Government and the Contractor shall proceed under the "Changes" clause to negotiate a modification or restructuring of all or a portion of the Contract in a manner that is mutually acceptable to each of the parties, including any appropriate equitable adjustment to reflect any such modification or restructuring, which results in the elimination of the aforementioned violation of Law or adverse effect on the Contractor's (and/or its ultimate parent company) right or ability to properly claim an exemption from regulation.

In the event that the parties are unable to agree upon a mutually acceptable modification or restructuring of the Contract and any resulting equitable adjustment, then the Government shall cause the Contract, or the portion of the Contract in violation of the aforementioned Laws or which results in the adverse effect on the exemption of the Contractor (or its ultimate parent company) from regulation, to be terminated for the convenience of the Government. The Government's liability to the Contractor in such case shall be limited to that set forth in FAR 52.241-10 (Termination Liability) and FAR 52.249-2 (Termination for Convenience of the Government) and shall be subject to the availability of funds. The Government shall use its best efforts to secure such funds.

Add to the end of Section H.11.4:

The Contractor shall cooperate with the Government to allow the Government to take such actions as it deems reasonably necessary to remediate any environmental condition resulting from the presence of such Hazardous Substances. If such remediation efforts are undertaken by the Government prior to the completion of the replacement and upgrading of the Utility Distribution Systems by the Contractor, the Contractor shall use commercially reasonable efforts to maintain its construction schedule consistent with the requisite remediation actions taken by the Government, and subject to its rights, if any, under FAR 52.249-14, Excusable Delays (Apr 1984).

Delete the first sentence of Section H.11.5 and replace it with the following:

H.11.5 In the event that Hazardous Substances have been unlawfully released by a third party into the electric, natural gas, potable water or wastewater system facilities upstream of the Utility Distribution Systems, the Contractor shall not be responsible for any costs of remediation,

penalties or fines that may be occasioned by any subsequent release or re-release of such substances into the air, soil or groundwater, provided that the Contractor is in compliance with Section H.11.4 above. If any such release or re-release of such substances is the result of the negligence of the Contractor, then the Contractor shall be responsible for the additional costs of remediation, penalties and fines that are directly attributable to such negligence.

Add the following clause "H.23 Pass Through Taxes (applicable to CLINs 0041-0050)

Notwithstanding anything to the contrary in this Contract, all federal, state, and local taxes and franchise fees, including any interest, additions to tax, as well as, fifty per cent (50%) of any penalties (the Contractor shall be responsible for fifty per cent (50%) of any penalty) relating thereto (collectively, "Taxes") payable or which may become payable by the Contractor by reason of the Contract shall be for the account of the Government, except that (1) those Taxes and the amounts thereof which are specifically designated in the Contractor's proposal as being the responsibility of the Contractor and (2) Taxes based upon the net income of the Contractor which are attributable to the Contractor's receipt of the Monthly Consolidated Utility Service Charge shall be for the account of the Contractor. The Contractor shall be responsible for timely submitting to the Government invoices for Taxes due or other appropriate documentation of such tax liability. Upon receipt of such notice, the Government shall timely pay the Contractor for all valid Taxes paid. The Government and the Contractor agree to take such reasonable actions that may be available to eliminate or minimize the Taxes that may be imposed with respect to the Contract. There shall be no Contractor mark-up on the Taxes reimbursed by the Government. "

Add the following clause "H.24 Environmental Assessment

The Contractor and the Government acknowledge that (1) the Government has furnished to the Contractor an environmental assessment of the properties to be covered by the Easement and the existing Utility Distribution Facilities in accordance with the standards set forth in AR-200-02 (the "EA") and (2) that the Contractor shall be entitled to rely on such EA. The parties further acknowledge that the Contractor shall be entitled to conduct its own environmental examination of such properties and systems. The Contractor shall notify the Government in writing of the results of its environmental examination within 60 days of the Notice To Proceed date and the results of such examination, in addition to any information that may

come to the attention of the Contractor during the term of the Contract or otherwise, shall be taken into account for purposes of establishing the Government's responsibility for the pre-existing environmental conditions at the site."

In Section I: Delete the Clause FAR 52.241-7 and in the clause FAR 52.241-8

replace the number one (1) with the number two (2).

In Section I: Add the following clauses:

FAR 52.243-1 Alt I -- Changes - Fixed Price (Apr 1984)


DFAR 252.243-7001 -- Pricing of Contract Modifications (Dec 1991)

This amendment resolves all outstanding issues regarding assumptions, modifications, and exceptions listed in offeror(s) final proposal revision, technical and price, dated 28 July 1999. The offeror(s) may list any previously agreed to assumptions in their final proposal revision for clarification purposes.

Offeror shall submit two originals of the attached Standard Form (SF) 33 and Section B Price Schedule in the final price proposal revision. Offeror shall acknowledge all amendments on the attached SF 33s. Include sufficient data to determine reasonableness. Each offeror shall provide data that will enable the Government to determine Labor, Material, Overhead, General and Administrative Expense and profit. The Government will select the most advantageous proposal based on technical acceptability and reasonableness of price. The Government reserves the right to accept the price most advantageous to the Government. For this evaluation, the lowest price is not automatically the most advantageous. Please indicate that your final technical proposal revision, previously submitted is still valid.

Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copy of this amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.

Except as herein provided, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

<b>SOLICITATION, OFFER, AND AWARD</b> (Construction, Alteration, or Repair)		1. SOLICITATION NO. DACAS1-99-R-0006	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 12/01/98	PAGE OF PAGES 1/ 29
		IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.			
4. CONTRACT NO.		5. REQUISITION/PURCHASE REQUEST NO. W16ROE-8323-0698		6. PROJECT NO. DACAS1-99-R-0006	
7. ISSUED BY  US ARMY CORPS OF ENGINEERS, NYD ATTN: CENANCT-C, ROOM 1843 26 FEDERAL PLAZA NEW YORK NY 10278		CODE E3P0500	8. ADDRESS OFFER TO  US ARMY CORPS OF ENGINEERS, NYD ATTN: CENANCT-C, ROOM 1843 26 FEDERAL PLAZA NEW YORK NY 10278		
9. FOR INFORMATION CALL: 	A. NAME Ina Ohrwashel		B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) (212) 264-0154		

## SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

11. The Contractor shall begin performance within <u>10</u> calendar days and complete it within <u>10</u> calendar years after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory, <input type="checkbox"/> negotiable. (See _____.)	
12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES," indicate within how many calendar days after award in Item 12B.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12B. CALENDAR DAYS  010

13. ADDITIONAL SOLICITATION REQUIREMENTS:

A. Sealed offers in original and 1 copies to perform the work required are due at the place specified in Item 8 by 1600 (hour) local time 08/30/99 (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

B. An offer guarantee ☒ is, ☐ is not required.

C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

Offers providing less than 60 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)	15. TELEPHONE NO. (Include area code)
	16. REMITTANCE ADDRESS (Include only if different than Item 14)
CODE	FACILITY CODE
17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within ____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)	

AMOUNTS ►


18. The offeror agrees to furnish any required performance and payment bonds.									
19. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)									
AMENDMENT NO.									
DATE									
20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)					20B. SIGNATURE			20C. OFFER DATE	

## AWARD (To be completed by Government)

21. ITEMS ACCEPTED:	
22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c) (     ) <input type="checkbox"/> 41 U.S.C. 253(c) (     )
26. ADMINISTERED BY	27. PAYMENT WILL BE MADE BY

## CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return ____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.		<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.	
30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)		31A. NAME OF CONTRACTING OFFICER (Type or print)	
30B. SIGNATURE	30C. DATE	31B. UNITED STATES OF AMERICA  BY	31C. AWARD DATE

<b>SOLICITATION, OFFER, AND AWARD</b> (Construction, Alteration, or Repair)	1. SOLICITATION NO. DACAS1-99-R-0006	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 12/01/98	PAGE OF PAGES 1/ 29
	IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.			
4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO. W16ROE-8323-0698	6. PROJECT NO. DACAS1-99-R-0006		
7. ISSUED BY  US ARMY CORPS OF ENGINEERS, NYD ATTN: CENANCT-C, ROOM 1843 26 FEDERAL PLAZA NEW YORK NY 10278	CODE E3P0500	8. ADDRESS OFFER TO E3P0500  US ARMY CORPS OF ENGINEERS, NYD ATTN: CENANCT-C, ROOM 1843 26 FEDERAL PLAZA NEW YORK NY 10278		
9. FOR INFORMATION CALL: 	A. NAME Ina Ohrwashel C06	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) (212) 264-0154		

## SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

11. The Contractor shall begin performance within 10 calendar days and complete it within 10 calendar years after receiving  
☐ award, ☒ notice to proceed. This performance period is ☒ mandatory, ☐ negotiable. (See \_\_\_\_\_.)

12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS?  
 (If "YES," indicate within how many calendar days after award in Item 12B.)  
☒ YES ☐ NO

12B. CALENDAR DAYS  
010

13. ADDITIONAL SOLICITATION REQUIREMENTS:

A. Sealed offers in original and 1 copies to perform the work required are due at the place specified in Item 8 by 1600 (hour)  
 local time 08/30/99 (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes  
 containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

B. An offer guarantee ☒ is, ☐ is not required.

C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by  
 reference.

Offers providing less than 60 calendar days for Government acceptance after the date offers are due will not be considered and  
 will be rejected.



14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)				15. TELEPHONE NO. (Include area code)			
				16. REMITTANCE ADDRESS (Include only if different than Item 14)			
CODE		FACILITY CODE					
17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within ____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)							
AMOUNTS							
18. The offeror agrees to furnish any required performance and payment bonds.							
19. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)							
AMENDMENT NO.							
DATE							
20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)				20B. SIGNATURE		20C. OFFER DATE	
AWARD (To be completed by Government)							
21. ITEMS ACCEPTED:							
22. AMOUNT				23. ACCOUNTING AND APPROPRIATION DATA			
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)			ITEM	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO  <input type="checkbox"/> 10 U.S.C. 2304(c) (     ) <input type="checkbox"/> 41 U.S.C. 253(c) (     )			
26. ADMINISTERED BY			CODE	27. PAYMENT WILL BE MADE BY			
CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE							
<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return ____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.				<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document) Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.			
30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)				31A. NAME OF CONTRACTING OFFICER (Type or print)			
30B. SIGNATURE		30C. DATE		31B. UNITED STATES OF AMERICA		31C. AWARD DATE	
				BY			

Final Proposal Revision - 30 August 1999

SECTION B  
SUPPLIES OR SERVICES AND PRICES/COSTS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0001	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 1				
0001AA	Initial Upgrade	1.00	1s		
	Year 1				
0001AB	Distribution Charge	1.00	1s		
	Year 1				
0001AC	Capital Upgrades	1.00	1s		
	Year 1				
0001AD	Purchase Price	1.00	1s		
	Year 1				
0002	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
0002AA	Initial Upgrade	1.00	1s		
	Year 1				
0002AB	Distribuiton Charge				
	Year 1				

Final Proposal Revision - 30 August 1999

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0002AC	Capital Upgrades	1.00	1s		
	Year 1				
0002AD	Purchase Price	1.00	1s		
	Year 1				
0003	Privatization of Potable Water Utility System, Fort Hamilton, New York				
0003AA	Initial Upgrade	1.00	1s		
	Year 1				
0003AB	Distribution Charges	1.00	1s		
	Year 1				
0003AC	Capital Upgrades	1.00	1s		
	Year 1				
0003AD	Purchase Price	1.00	1s		
	Year 1				
0004	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 1				

Final Proposal Revision - 30 August 1999

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0004AA	Initial Upgrade	1.00	1s		
	Year 1				
0004AB	Distribution Charge	1.00	1s		
	Year 1				
0004AC	Capital Upgrade	1.00	1s		
	Year 1				
0004AD	Purchase Price	1.00	1s		
	Year 1				
0005	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 2				
0005AA	Initial Upgrade	1.00	1s		
	Year 2				
0005AB	Distribution Charge	1.00	1s		
	Year 2				
0005AC	Capital Upgrades	1.00	1s		
	Year 2				

Final Proposal Revision - 30 August 1999

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0005AD	Purchase Price	1.00	1s		
	Year 2				
0006	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 2				
0006AA	Initial Upgrade	1.00	1s		
	Year 2				
0006AB	Distribution Charge	1.00	1s		
	Year 2				
0006AC	Capital Upgrades	1.00	1s		
	Year 2				
0006AD	Purchase Price	1.00	1s		
	Year 2				
0007	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 2				
0007AA	Initial Upgrade	1.00	1s		
	Year 2				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0007AB	Distribution Charges	1.00	1s	_____	_____
	Year 2				
0007AC	Capital Upgrades	1.00	1s	_____	_____
	Year 2				
0007AD	Purchase Price	1.00	1s	_____	_____
	Year 2				
0008	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 2				
0008AA	Initial Upgrade	1.00	1s	_____	_____
	Year 2				
0008AB	Distribution Charge	1.00	1s	_____	_____
	Year 2				
0008AC	Capital Upgrade	1.00	1s	_____	_____
	Year 2				
0008AD	Purchase Price	1.00	1s	_____	_____
	Year 2				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0009	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 3				
0009AA	Initial Upgrade	1.00	1s		
	Year 3				
0009AB	Distribution Charge	1.00	1s		
	Year 3				
0009AC	Capital Upgrades	1.00	1s		
	Year 3				
0009AD	Purchase Price	1.00	1s		
	Year 3				
0010	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 3				
0010AA	Initial Upgrade	1.00	1s		
	Year 3				
0010AB	Distribuiton Charge				
	Year 3				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0010AC	Capital Upgrades	1.00	1s	_____	_____
	Year 3				
0010AD	Purchase Price	1.00	1s	_____	_____
	Year 3				
0011	Privatizaition of Potable Water Utility System, Fort Hamilton, New York				
	Year 3				
0011AA	Initial Upgrade	1.00	EA	_____	_____
	Year 3				
0011AB	Distribution Charges	1.00	EA	_____	_____
	Year 3				
0011AC	Capital Upgrades	1.00	EA	_____	_____
	Year 3				
0011AD	Purchase Price	1.00	1s	_____	_____
	Year 3				
0012	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 3				



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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0012AA	Initial Upgrade	1.00	1s		
	Year 3				
0012AB	Distribution Charge	1.00	EA		
	Year 3				
0012AC	Capital Upgrade	1.00	1s		
	Year 3				
0012AD	Purchase Price	1.00	1s		
	Year 3				
0013	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 4				
0013AA	Initial Upgrade	1.00	1s		
	Year 4				
0013AB	Distribuiton Charge				
	Year 4				
0013AC	Capital Upgrades	1.00	1s		
	Year 4				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0013AD	Purchase Price	1.00	1s		
	Year 4				
0014	Privatizaiton of Natural Gas Utility System, Fort Hamilton, New York				
	Year 4				
0014AA	Initial Upgrade	1.00	EA		
	Year 4				
0014AB	Distribution Charges	1.00	EA		
	Year 4				
0014AC	Capital Upgrades	1.00	EA		
	Year 4				
0014AD	Purchase Price	1.00	1s		
	Year 4				
0015	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 4				
0015AA	Initial Upgade	1.00	1s		
	Year 4				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0015AB	Distribution Charge	1.00	EA		
	Year 4				
0015AC	Capital Upgrade	1.00	1s		
	Year 4				
0015AD	Purchase Price	1.00	1s		
	Year 4				
0016	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 4				
0016AA	Initial Upgrade	1.00	1s		
	Year 4				
0016AB	Distribution Charge	1.00	1s		
	Year 4				
0016AC	Capital Upgrade	1.00	1s		
	Year 4				
0016AD	Purchase Price	1.00	1s		
	Year 4				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0017	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 5				
0017AA	Initial Upgrade	1.00	ls		
	Year 5				
0017AB	Distribuiton Charge				
	Year 5				
0017AC	Capital Upgrades	1.00	ls		
	Year 5				
0017AD	Purchase Price	1.00	ls		
	Year 5				
0018	Privatizaiton of Natural Gas Utility System, Fort Hamilton, New York				
	Year 5				
0018AA	Initial Upgrade	1.00	EA		
	Year 5				
0018AB	Distribution Charges	1.00	EA		
	Year 5				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0018AC	Capital Upgrades	1.00	EA		
	Year 5				
0018AD	Purchase Price	1.00	1s		
	Year 5				
0019	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 5				
0019AA	Initial Upgade	1.00	1s		
	Year 5				
0019AB	Distribution Charge	1.00	EA		
	Year 5				
0019AC	Capital Upgrade	1.00	1s		
	Year 5				
0019AD	Purchase Price	1.00	1s		
	Year 5				
0020	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 5				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0020AA	Initial Upgrade	1.00	1s		
	Year 5				
0020AB	Distribution Charge	1.00	1s		
	Year 5				
0020AC	Capital Upgrade	1.00	1s		
	Year 5				
0020AD	Purchase Price	1.00	1s		
	Year 5				
0021	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 6				
0021AA	Initial Upgrade	1.00	1s		
	Year 6				
0021AB	Distribuiton Charge				
	Year 6				
0021AC	Capital Upgrades	1.00	1s		
	Year 6				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0021AD	Purchase Price	1.00	ls		
	Year 6				
0022	Privatizaiton of Natural Gas Utility System, Fort Hamilton, New York				
	Year 6				
0022AA	Initial Upgrade	1.00	EA		
	Year 6				
0022AB	Distribution Charges	1.00	EA		
	Year 6				
0022AC	Capital Upgrades	1.00	EA		
	Year 6				
0022AD	Purchase Price	1.00	ls		
	Year 6				
0023	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 6				
0023AA	Initial Upgrade	1.00	ls		
	Year 6				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0023AB	Distribution Charge	1.00	EA		
	Year 6				
0023AC	Capital Upgrade	1.00	1s		
	Year 6				
0023AD	Purchase Price	1.00	1s		
	Year 6				
0024	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 6				
0024AA	Initial Upgrade	1.00	1s		
	Year 6				
0024AB	Distribution Charge	1.00	1s		
	Year 6				
0024AC	Capital Upgrade	1.00	1s		
	Year 6				
0024AD	Purchase Price	1.00	1s		
	Year 6				



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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0025	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 7				
0025AA	Initial Upgrade	1.00	ls		
	Year 7				
0025AB	Distribuiton Charge				
	Year 7				
0025AC	Capital Upgrades	1.00	ls		
	Year 7				
0025AD	Purchase Price	1.00	ls		
	Year 7				
0026	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 7				
0026AA	Initial Upgrade	1.00	ls		
	Year 7				
0026AB	Distribuiton Charge				
	Year 7				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0026AC	Capital Upgrades	1.00	ls	_____	_____
	Year 7				
0026AD	Purchase Price	1.00	ls	_____	_____
	Year 7				
0027	Privatizaiton of Potble Water Utility System, Fort Hamilton, New York				
	Year 7				
0027AA	Initial Upgrade	1.00	EA	_____	_____
	Year 7				
0027AB	Distribution Charges	1.00	EA	_____	_____
	Year 7				
0027AC	Capital Upgrades	1.00	EA	_____	_____
	Year 7				
0027AD	Purchase Price	1.00	ls	_____	_____
	Year 7				
0028	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 7				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0028AA	Initial Upgrade	1.00	ls		
	Year 7				
0028AB	Distribution Charge	1.00	EA		
	Year 7				
0028AC	Capital Upgrade	1.00	ls		
	Year 7				
0028AD	Purchase Price	1.00	ls		
	Year 7				
0029	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 8				
0029AA	Initial Upgrade	1.00	ls		
	Year 8				
0029AB	Distribution Charge	1.00	ls		
	Year 8				
0029AC	Capital Upgrade	1.00	ls		
	Year 8				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0029AD	Purchase Price	1.00	1s		
	Year 8				
0030	Privatization of Naural Gas Utility System, Fort Hamilton, New York				
	Year 8				
0030AA	Initial Upgrade	1.00	1s		
	Year 8				
0030AB	Distribuiton Charge				
	Year 8				
0030AC	Capital Upgrades	1.00	1s		
	Year 8				
0030AD	Purchase Price	1.00	1s		
	Year 8				
0031	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 8				
0031AA	Initial Upgrade	1.00	1s		
	Year 8				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0031AB	Distribuiton Charge				
	Year 8				
0031AC	Capital Upgrades	1.00	1s		
	Year 8				
0031AD	Purchase Price	1.00	1s		
	Year 8				
0032	Privatizaiton of Wastewater Utility System, Fort Hamilton, New York				
	Year 8				
0032AA	Initial Upgrade	1.00	EA		
	Year 8				
0032AB	Distribution Charges	1.00	EA		
	Year 8				
0032AC	Capital Upgrades	1.00	EA		
	Year 8				
0032AD	Purchase Price	1.00	1s		
	Year 8				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0033	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 9				
0033AA	Initial Upgade	1.00	ls	_____	_____
	Year 9				
0033AB	Distribution Charge	1.00	EA	_____	_____
	Year 9				
0033AC	Capital Upgrade	1.00	ls	_____	_____
	Year 9				
0033AD	Purchase Price	1.00	ls	_____	_____
	Year 9				
0034	Privatizaiton of Natural Gas Utility System, Fort Hamilton, New York				
	Year 9				
0034AA	Initial Upgrade	1.00	EA	_____	_____
	Year 9				
0034AB	Distribution Charges	1.00	EA	_____	_____
	Year 9				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0034AC	Capital Upgrades	1.00	EA		
	Year 9				
0034AD	Purchase Price	1.00	ls		
	Year 9				
0035	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 9				
0035AA	Initial Upgrade	1.00	ls		
	Year 9				
0035AB	Distribution Charge	1.00	EA		
	Year 9				
0035AC	Capital Upgrade	1.00	ls		
	Year 9				
0035AD	Purchase Price	1.00	ls		
	Year 9				
0036	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 9				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0036AA	Initial Upgrade	1.00	EA		
	Year 9				
0036AB	Distribution Charges	1.00	EA		
	Year 9				
0036AC	Capital Upgrades	1.00	EA		
	Year 9				
0036AD	Purchase Price	1.00	ls		
	Year 9				
0037	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 10				
0037AA	Initial Upgrade	1.00	ls		
	Year 10				
0037AB	Distribution Charge	1.00	EA		
	Year 10				
0037AC	Capital Upgrade	1.00	ls		
	Year 10				



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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0037AD	Purchase Price	1.00	1s	_____	_____
	Year 10				
0038	Privatizaiton of Natural Gas Utility System, Fort Hamilton, New York				
	Year 10				
0038AA	Initial Upgrade	1.00	EA	_____	_____
	Year 10				
0038AB	Distribution Charges	1.00	EA	_____	_____
	Year 10				
0038AC	Capital Upgrades	1.00	EA	_____	_____
	Year 10				
0038AD	Purchase Price	1.00	1s	_____	_____
	Year 10				
0039	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 10				
0039AA	Initial Upgade	1.00	1s	_____	_____
	Year 10				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0039AB	Distribution Charge	1.00	EA	_____	_____
	Year 10				
0039AC	Capital Upgrade	1.00	ls	_____	_____
	Year 10				
0039AD	Purchase Price	1.00	ls	_____	_____
	Year 10				
0040	Privatizaiton of Wastewater Utility System, Fort Hamilton, New York				
	Year 10				
0040AA	Initial Upgrade	1.00	EA	_____	_____
	Year 10				
0040AB	Distribution Charges	1.00	EA	_____	_____
	Year 10				
0040AC	Capital Upgrades	1.00	EA	_____	_____
	Year 10				
0040AD	Purchase Price	1.00	ls	_____	_____
	Year 10				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0041	Taxes payable in accordance with clause H.23 of this document.  Year 1	1.00	LS		<u>Not priced at this time</u>
0042	Taxes payable in accordance with clause H.23 of this document.  Year 2	1.00	LS		<u>Not priced at this time</u>
0043	Taxes payable in accordance with clause H.23 of this contract.  Year 3	1.00	LS		<u>Not priced at this time</u>
0044	Taxes payable in accordance with clause H.23 of this contract.  Year 4	1.00	LS		<u>Not priced at this time</u>
0045	Taxes payable in accordance with clause H.23 of this contract.  Year 5	1.00	LS		<u>Not priced at this time</u>
0046	Taxes payable in accordance with clause H.23 of this contract.  Year 6	1.00	LS		<u>Not priced at this time</u>
0047	Taxes payable in accordance with clause H.23 of this contract.  Year 7.	1.00	LS		<u>Not priced at this time</u>

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0048	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS		Not Priced at this time
	Year 8				
0049	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS		Not priced at this time
	Year 9				
0050	Taxes payable in accordance with clause H.23 of this contract.	1.00	LS		Not priced at this time
	Year 10				

END OF SECTION B

NEXT DAY AIR TRACKING  
12 132 473

J09 987 1

NEXT DAY AIR TRACKING NUMBER  
12 132 473 01 1009 96

## AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1 33

AMENDMENT/MODIFICATION NO. 0006		3. EFFECTIVE DATE 07/07/99	4. REQUISITION/PURCHASE REQ. NO. W16ROE-8323-0698	5. PROJECT NO. (If applicable) DACAS1-99-R-0006
ISSUED BY CONTRACTING - CONTRACTS BRANCH 26 FEDERAL PLAZA ROOM 1843 NEW YORK, NY 10278 Ina Ohrwashel	CODE e3p0500	7. ADMINISTERED BY (If other than item 6) CONTRACTING DIVISION 26 FEDERAL PLAZA ROOM 1843 NEW YORK, NY 10278		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Vendor ID: 00000044  ENRON FEDERAL SOLUTIONS INC 1775 EYE STREET NW STE 800 WASHINGTON DC 20006		(X)  X	9A. AMENDMENT OF SOLICITATION NO. DACAS1-99-R-0006	
			9B. DATED (SEE ITEM 11) 12/01/98	
			10A. MODIFICATION OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CCODE IFVU8	FACILITY CODE			

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

ACCOUNTING AND APPROPRIATION DATA (If required)

## 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

## 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

By this amendment, offerors are notified that discussions are concluded and that this is an opportunity to submit a final proposal revision. Final proposal revisions shall be in writing and the Government intends to make award without obtaining further revisions. Offers must be received at the address shown in Block #6, of this form (Attention: Ina Ohrwashel) by 12:30 P.M. local time, 28 July 1999.

In paragraph C.6.1 after the second sentence replace the remainder of the

11.35 provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
CONTRACTOR/OFFEROR	15C. DATE SIGNED	18B. UNITED STATES OF AMERICA	18C. DATE SIGNED
(Signature of person authorized to sign)		BY (Signature of Contracting Officer)	

NSN 7040-01-152-8070

PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

SF 30 CONTINUATION SHEET

paragraph with the following language, " The four hour period does not include time during scheduled outages. This clause shall not apply during the first year of the contract term (one year from date of signature of the Contracting Officer). The equitable adjustment shall be defined as the average commodity usage (average building consumption per hour over the past three (3) months from building meter data) (electricity (kWh), natural gas (mmbtu/therm/mcf), potable water (kgal), and/or wastewater (kgal/edut of potable water), multiplied by the aggregate outage time in the month, multiplied by the Government's average commodity charge for the commodity. Also to be included are other costs as deemed reasonable by the Government, including, but not limited to, spoiled food/material, wastewater/potable water damage clean up, and expended fuel oil costs. Any failure to reach agreement on time periods and other "reasonable" costs shall be pursuant to Section I, Contract Clauses, I.47, 52.233-1, Disputes (Oct. 1995)."

The following clause is added to section H.

"H.23 OFFEROR ENVIRONMENTAL ASSESSMENT

The offeror may conduct its own environmental assessment. In such an instance, the Government will be notified of the results (including discovery of any pre-existing conditions) within 60 days of the Notice To Proceed date. However, the proposed construction schedule must be maintained. Any no-cost termination will be determined by application of the termination for convenience clause. The offeror and the Government will establish mutually agreeable policies and procedures addressing the coordination of any environmental remediation work by the Government for - pre-existing conditions with the Contractor's performance of its services under the contract."

The following clause is added to section I (This clause applies only during the first year of the contract):

52.236-2 -- Differing Site Conditions (Apr 1984)

As prescribed in 36.502, insert the following clause:

Differing Site Conditions (Apr 1984)

(a) The Contractor shall promptly, and before the conditions are disturbed, give a written notice to the Contracting Officer of --

(1) Subsurface or latent physical conditions at the site which differ materially from those indicated in this contract; or

(2) Unknown physical conditions at the site, of an unusual nature, which differ materially from those ordinarily encountered and generally

recognized as inhering in work of the character provided for in the contract.

(b) The Contracting Officer shall investigate the site conditions promptly after receiving the notice. If the conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performing any part of the work under this contract, whether or not changed as a result of the conditions, an equitable adjustment shall be made under this clause and the contract modified in writing accordingly.

(c) No request by the Contractor for an equitable adjustment to the contract under this clause shall be allowed, unless the Contractor has given the written notice required; provided, that the time prescribed in paragraph (a) of this clause for giving written notice may be extended by the Contracting Officer.

(d) No request by the Contractor for an equitable adjustment to the contract for differing site conditions shall be allowed if made after final payment under this contract.

(End of Clause)

The following clause, which is located in section I, is printed in full text, as opposed to incorporated by reference:

52.228-16 -- Performance and Payment Bonds -- Other Than  
Construction (Sep 1996)

As prescribed in 28.103-4 , insert a clause substantially as follows:

Performance and Payment Bonds -- Other Than Construction (Sep 1996)

(a) Definitions. As used in this clause --

"Contract price" means the total amount of the contract for the term of the contract (excluding options, if any) or, for requirements contracts, the price payable for the estimated quantity; or for indefinite-delivery type contracts, the price payable for the specified minimum quantity.

(b) The Contractor shall furnish a performance bond (Standard Form 1418) for the protection of the Government in an amount equal to 100 percent of

the contract price and a payment bond (Standard Form 1416) in an amount equal to 2.5 million.

(c) The Contractor shall furnish all executed bonds, including any necessary reinsurance agreements, to the Contracting Officer, within 10 days, but in any event, before starting work.

(d) The Government may require additional performance bond protection when the contract price is increased. The Government may secure additional protection by directing the Contractor to increase the penal amount of the existing bond or to obtain an additional bond.

(e) The bonds shall be in the form of firm commitment, supported by corporate sureties whose names appear on the list contained in Treasury Department Circular 570, individual sureties, or by other acceptable security such as postal money order, certified check, cashier's check, irrevocable letter of credit, or, in accordance with Treasury Department regulations, certain bonds or notes of the United States. Treasury Circular 570 is published in the Federal Register, or may be obtained from the:

U.S. Department of Treasury  
Financial Management Service  
Surety Bond Branch  
401 14th Street, NW, 2nd Floor, West Wing  
Washington, DC 20227

(End of Clause)

In paragraph L.10.1 after the final word "Proposals", change the period (.) to a comma (,) and add the following language "unless otherwise specified in this solicitation."

In paragraph H.11.5 replace the words "by other than the Contractor" with the words "by a third party".

Offeror shall submit one original and six copies of its final technical proposal revision. All pages shall be marked "Final Proposal Revision, 23 July 1999". To be considered, any changes to offeror's original proposal must be included in its final technical proposal revision. Changes, revisions, deletions, additions and/or substitutions to lines, paragraphs or pages must be clearly indicated on REPLACEMENT pages to offeror's original proposal. Replacement pages must be clearly identified as to the pages they are substituted for. Failure to identify the replacement page(s)




may result in the Government not considering the information contained therein.

Information provided during the June 1999 discussions will not be considered unless incorporated in the final proposal revision.

Offeror shall submit two originals of the attached Standard Form (SF) 33 and Section B Price Schedule in the final price proposal revision. Offeror shall acknowledge all amendments on the attached SF 33s. Include sufficient data to determine reasonableness. Each offeror shall provide data that will enable the Government to determine Labor, Material, Overhead, General and Administrative Expense and profit. The Government will select the most advantageous proposal based on technical acceptability and reasonableness of price. The Government reserves the right to accept the price most advantageous to the Government. For this evaluation, the lowest price is not automatically the most advantageous.

Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copy of this amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. Except as herein provided, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)	1. SOLICITATION NO. DACAS1-99-R-0006	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 12/01/98	PAGE OF PAGE 1/ 28
	IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.			
4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO. W16ROE-8323-0698	6. PROJECT NO. DACAS1-99-R-0006		
7. ISSUED BY  US ARMY CORPS OF ENGINEERS NYD ATTN: CENANCT-C ROOM 1843 26 FEDERAL PLAZA NEW YORK, NY 10278	CODE E3P0500	8. ADDRESS OFFER TO E3P0500  US ARMY CORPS OF ENGINEERS NYD ATTN: CENANCT-C ROOM 1843 26 FEDERAL PLAZA NEW YORK, NY 10278		
9. FOR INFORMATION CALL: 	A. NAME Ina Ohrwashel	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) C06 (212) 264-0154		

## SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

11. The Contractor shall begin performance within <u>10</u> calendar days and complete it within * <u>10 Years</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory, <input type="checkbox"/> negotiable. (See _____.)	
12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES," indicate within how many calendar days after award in Item 12B.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12B. CALENDAR DAYS  010
13. ADDITIONAL SOLICITATION REQUIREMENTS:	
A. Sealed offers in original and <u>1</u> copies to perform the work required are due at the place specified in Item 8 by <u>1230</u> (hour) local time <u>07/28/99</u> (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.	
B. An offer guarantee <input checked="" type="checkbox"/> is, <input type="checkbox"/> is not required.	
C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.	
D. Offers providing less than <u>60</u> calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

NAME AND ADDRESS OF OFFEROR (Include ZIP Code)				15. TELEPHONE NO. (Include area code)			
				16. REMITTANCE ADDRESS (Include only if different than Item 14)			
CODE		FACILITY CODE					
17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)							
<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 10px;">AMOUNTS</div> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div>							
18. The offeror agrees to furnish any required performance and payment bonds.							
19. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)							
AMENDMENT NO.							
DATE							
20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)				20B. SIGNATURE		20C. OFFER DATE	
AWARD (To be completed by Government)							
ITEMS ACCEPTED:							
22. AMOUNT				23. ACCOUNTING AND APPROPRIATION DATA			
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)			ITEM	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO  <input type="checkbox"/> 10 U.S.C. 2304(c)( ) <input type="checkbox"/> 41 U.S.C. 253(c)( )			
26. ADMINISTERED BY			CODE	27. PAYMENT WILL BE MADE BY			
CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE							
<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.				<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.			
NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)				31A. NAME OF CONTRACTING OFFICER (Type or print)			
SIGNATURE		30C. DATE		31B. UNITED STATES OF AMERICA  BY		31C. AWARD DATE	

SECTION B  
SUPPLIES OR SERVICES AND PRICES/COSTS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0001	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 1				
0001AA	Initial Upgrade	1.00	1s		
	Year 1				
0001AB	Distribution Charge	1.00	1s		
	Year 1				
0001AC	Capital Upgrades	1.00	1s		
	Year 1				
0001AD	Purchase Price	1.00	1s		
	Year 1				
0002	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
0002AA	Initial Upgrade	1.00	1s		
	Year 1				
0002AB	Distribution Charge				
	Year 1				

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0002AC	Capital Upgrades	1.00	1s		
	Year 1				
0002AD	Purchase Price	1.00	1s		
	Year 1				
0003	Privatization of Potable Water Utility System, Fort Hamilton, New York				
0003AA	Initial Upgrade	1.00	1s		
	Year 1				
0003AB	Distribution Charges	1.00	1s		
	Year 1				
0003AC	Capital Upgrades	1.00	1s		
	Year 1				
0003AD	Purchase Price	1.00	1s		
	Year 1				
0004	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 1				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0004AA	Initial Upgrade	1.00	1s		
	Year 1				
0004AB	Distribution Charge	1.00	1s		
	Year 1				
0004AC	Capital Upgrade	1.00	1s		
	Year 1				
0004AD	Purchase Price	1.00	1s		
	Year 1				
0005	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 2				
0005AA	Initial Upgrade	1.00	1s		
	Year 2				
0005AB	Distribution Charge	1.00	1s		
	Year 2				
0005AC	Capital Upgrades	1.00	1s		
	Year 2				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0005AD	Purchase Price	1.00	1s		
	Year 2				
0006	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 2				
0006AA	Initial Upgrade	1.00	1s		
	Year 2				
0006AB	Distribution Charge	1.00	1s		
	Year 2				
0006AC	Capital Upgrades	1.00	1s		
	Year 2				
0006AD	Purchase Price	1.00	1s		
	Year 2				
0007	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 2				
0007AA	Initial Upgrade	1.00	1s		
	Year 2				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0007AB	Distribution Charges	1.00	1s		
	Year 2				
0007AC	Capital Upgrades	1.00	1s		
	Year 2				
0007AD	Purchase Price	1.00	1s		
	Year 2				
0008	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 2				
0008AA	Initial Upgrade	1.00	1s		
	Year 2				
0008AB	Distribution Charge	1.00	1s		
	Year 2				
0008AC	Capital Upgrade	1.00	1s		
	Year 2				
0008AD	Purchase Price	1.00	1s		
	Year 2				



ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0009	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 3				
0009AA	Initial Upgrade	1.00	1s		
	Year 3				
0009AB	Distribution Charge	1.00	1s		
	Year 3				
0009AC	Capital Upgrades	1.00	1s		
	Year 3				
0009AD	Purchase Price	1.00	1s		
	Year 3				
0010	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 3				
0010AA	Initial Upgrade	1.00	1s		
	Year 3				
0010AB	Distribution Charge				
	Year 3				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0010AC	Capital Upgrades	1.00	1s		
	Year 3				
0010AD	Purchase Price	1.00	1s		
	Year 3				
0011	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 3				
0011AA	Initial Upgrade	1.00	EA		
	Year 3				
0011AB	Distribution Charges	1.00	EA		
	Year 3				
0011AC	Capital Upgrades	1.00	EA		
	Year 3				
0011AD	Purchase Price	1.00	1s		
	Year 3				
0012	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 3				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0012AA	Initial Upgrade	1.00	1s		
	Year 3				
0012AB	Distribution Charge	1.00	EA		
	Year 3				
0012AC	Capital Upgrade	1.00	1s		
	Year 3				
0012AD	Purchase Price	1.00	1s		
	Year 3				
0013	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 4				
0013AA	Initial Upgrade	1.00	1s		
	Year 4				
0013AB	Distribuiton Charge				
	Year 4				
0013AC	Capital Upgrades	1.00	1s		
	Year 4				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0013AD	Purchase Price	1.00	1s		
	Year 4				
0014	Privatizaition of Natural Gas Utility System, Fort Hamilton, New York				
	Year 4				
0014AA	Initial Upgrade	1.00	EA		
	Year 4				
0014AB	Distribution Charges	1.00	EA		
	Year 4				
0014AC	Capital Upgrades	1.00	EA		
	Year 4				
0014AD	Purchase Price	1.00	1s		
	Year 4				
0015	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 4				
0015AA	Initial Upgrade	1.00	1s		
	Year 4				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0015AB	Distribution Charge	1.00	EA		
	Year 4				
0015AC	Capital Upgrade	1.00	ls		
	Year 4				
0015AD	Purchase Price	1.00	ls		
	Year 4				
0016	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 4				
0016AA	Initial Upgrade	1.00	ls		
	Year 4				
0016AB	Distribution Charge	1.00	ls		
	Year 4				
0016AC	Capital Upgrade	1.00	ls		
	Year 4				
0016AD	Purchase Price	1.00	ls		
	Year 4				

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0017	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 5				
0017AA	Initial Upgrade	1.00	1s		
	Year 5				
0017AB	Distribution Charge				
	Year 5				
0017AC	Capital Upgrades	1.00	1s		
	Year 5				
0017AD	Purchase Price	1.00	1s		
	Year 5				
0018	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 5				
0018AA	Initial Upgrade	1.00	EA		
	Year 5				
0018AB	Distribution Charges	1.00	EA		
	Year 5				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0018AC	Capital Upgrades	1.00	EA		
	Year 5				
0018AD	Purchase Price	1.00	ls		
	Year 5				
0019	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 5				
0019AA	Initial Upgrade	1.00	ls		
	Year 5				
0019AB	Distribution Charge	1.00	EA		
	Year 5				
0019AC	Capital Upgrade	1.00	ls		
	Year 5				
0019AD	Purchase Price	1.00	ls		
	Year 5				
0020	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 5				

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0020AA	Initial Upgrade	1.00	1s		
	Year 5				
0020AB	Distribution Charge	1.00	1s		
	Year 5				
0020AC	Capital Upgrade	1.00	1s		
	Year 5				
0020AD	Purchase Price	1.00	1s		
	Year 5				
0021	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 6				
0021AA	Initial Upgrade	1.00	1s		
	Year 6				
0021AB	Distribuiton Charge				
	Year 6				
0021AC	Capital Upgrades	1.00	1s		
	Year 6				



<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0021AD	Purchase Price	1.00	1s	_____	_____
	Year 6				
0022	Privatizaiton of Natural Gas Utility System, Fort Hamilton, New York				
	Year 6				
0022AA	Initial Upgrade	1.00	EA	_____	_____
	Year 6				
0022AB	Distribution Charges	1.00	EA	_____	_____
	Year 6				
0022AC	Capital Upgrades	1.00	EA	_____	_____
	Year 6				
0022AD	Purchase Price	1.00	1s	_____	_____
	Year 6				
0023	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 6				
0023AA	Initial Upgrade	1.00	1s	_____	_____
	Year 6				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0023AB	Distribution Charge	1.00	EA		
	Year 6				
0023AC	Capital Upgrade	1.00	ls		
	Year 6				
0023AD	Purchase Price	1.00	ls		
	Year 6				
0024	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 6				
0024AA	Initial Upgrade	1.00	ls		
	Year 6				
0024AB	Distribution Charge	1.00	ls		
	Year 6				
0024AC	Capital Upgrade	1.00	ls		
	Year 6				
0024AD	Purchase Price	1.00	ls		
	Year 6				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0025	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 7				
0025AA	Initial Upgrade	1.00	1s		
	Year 7				
0025AB	Distribution Charge				
	Year 7				
0025AC	Capital Upgrades	1.00	1s		
	Year 7				
0025AD	Purchase Price	1.00	1s		
	Year 7				
0026	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 7				
0026AA	Initial Upgrade	1.00	1s		
	Year 7				
0026AB	Distribution Charge				
	Year 7				

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0026AC	Capital Upgrades	1.00	ls		
	Year 7				
0026AD	Purchase Price	1.00	ls		
	Year 7				
0027	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 7				
0027AA	Initial Upgrade	1.00	EA		
	Year 7				
0027AB	Distribution Charges	1.00	EA		
	Year 7				
0027AC	Capital Upgrades	1.00	EA		
	Year 7				
0027AD	Purchase Price	1.00	ls		
	Year 7				
0028	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 7				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0028AA	Initial Upgrade	1.00	1s		
	Year 7				
0028AB	Distribution Charge	1.00	EA		
	Year 7				
0028AC	Capital Upgrade	1.00	1s		
	Year 7				
0028AD	Purchase Price	1.00	1s		
	Year 7				
0029	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 8				
0029AA	Initial Upgrade	1.00	1s		
	Year 8				
0029AB	Distribution Charge	1.00	1s		
	Year 8				
0029AC	Capital Upgrade	1.00	1s		
	Year 8				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0029AD	Purchase Price	1.00	1s		
	Year 8				
0030	Privatization of Naural Gas Utility System, Fort Hamilton, New York				
	Year 8				
0030AA	Initial Upgrade	1.00	1s		
	Year 8				
0030AB	Distribuiton Charge				
	Year 8				
0030AC	Capital Upgrades	1.00	1s		
	Year 8				
0030AD	Purchase Price	1.00	1s		
	Year 8				
0031	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 8				
0031AA	Initial Upgrade	1.00	1s		
	Year 8				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0031AB	Distribuiton Charge				
	Year 8				
0031AC	Capital Upgrades	1.00	1s		
	Year 8				
0031AD	Purchase Price	1.00	1s		
	Year 8				
0032	Privatizaiton of Wastewater Utility System, Fort Hamilton, New York				
	Year 8				
0032AA	Initial Upgrade	1.00	EA		
	Year 8				
0032AB	Distribution Charges	1.00	EA		
	Year 8				
0032AC	Capital Upgrades	1.00	EA		
	Year 8				
0032AD	Purchase Price	1.00	1s		
	Year 8				

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0033	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 9				
0033AA	Initial Upgrade	1.00	ls	_____	_____
	Year 9				
0033AB	Distribution Charge	1.00	EA	_____	_____
	Year 9				
0033AC	Capital Upgrade	1.00	ls	_____	_____
	Year 9				
0033AD	Purchase Price	1.00	ls	_____	_____
	Year 9				
0034	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 9				
0034AA	Initial Upgrade	1.00	EA	_____	_____
	Year 9				
0034AB	Distribution Charges	1.00	EA	_____	_____
	Year 9				



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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0034AC	Capital Upgrades	1.00	EA		
	Year 9				
0034AD	Purchase Price	1.00	ls		
	Year 9				
0035	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 9				
0035AA	Initial Upgrade	1.00	ls		
	Year 9				
0035AB	Distribution Charge	1.00	EA		
	Year 9				
0035AC	Capital Upgrade	1.00	ls		
	Year 9				
0035AD	Purchase Price	1.00	ls		
	Year 9				
0036	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 9				

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ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0036AA	Initial Upgrade	1.00	EA		
	Year 9				
0036AB	Distribution Charges	1.00	EA		
	Year 9				
0036AC	Capital Upgrades	1.00	EA		
	Year 9				
0036AD	Purchase Price	1.00	1s		
	Year 9				
0037	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 10				
0037AA	Initial Upgrade	1.00	1s		
	Year 10				
0037AB	Distribution Charge	1.00	EA		
	Year 10				
0037AC	Capital Upgrade	1.00	1s		
	Year 10				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0037AD	Purchase Price	1.00	ls		
	Year 10				
0038	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 10				
0038AA	Initial Upgrade	1.00	EA		
	Year 10				
0038AB	Distribution Charges	1.00	EA		
	Year 10				
0038AC	Capital Upgrades	1.00	EA		
	Year 10				
0038AD	Purchase Price	1.00	ls		
	Year 10				
0039	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 10				
0039AA	Initial Upgrade	1.00	ls		
	Year 10				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0039AB	Distribution Charge	1.00	EA		
	Year 10				
0039AC	Capital Upgrade	1.00	ls		
	Year 10				
0039AD	Purchase Price	1.00	ls		
	Year 10				
0040	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 10				
0040AA	Initial Upgrade	1.00	EA		
	Year 10				
0040AB	Distribution Charges	1.00	EA		
	Year 10				
0040AC	Capital Upgrades	1.00	EA		
	Year 10				
0040AD	Purchase Price	1.00	ls		
	Year 10				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0041	Taxes payable in accordance with clause H.23 of this document.  Year 1	1.00	LS		Not priced at this time
0042	Taxes payable in accordance with clause H.23 of this document.  Year 2	1.00	LS		Not priced at this time
0043	Taxes payable in accordance with clause H.23 of this contract.  Year 3	1.00	LS		Not priced at this time
0044	Taxes payable in accordance with clause H.23 of this contract.  Year 4	1.00	LS		Not priced at this time
0045	Taxes payable in accordance with clause H.23 of this contract.  Year 5	1.00	LS		Not priced at this time
0046	Taxes payable in accordance with clause H.23 of this contract.  Year 6	1.00	LS		Not priced at this time
0047	Taxes payable in accordance with clause H.23 of this contract.  Year 7.	1.00	LS		Not priced at this time

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0048	Taxes payable in accordance with clause H.23 of this contract.  Year 8	1.00	LS		Not Priced at this time
0049	Taxes payable in accordance with clause H.23 of this contract.  Year 9	1.00	LS		Not priced at this time
0050	Taxes payable in accordance with clause H.23 of this contract.  Year 10	1.00	LS		Not priced at this time

END OF SECTION B

# AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1 1

AMENDMENT/MODIFICATION NO.

0005

3. EFFECTIVE DATE

04/09/99

4. REQUISITION/PURCHASE REQ. NO.

W16ROE-8323-0698

5. PROJECT NO. (If applicable)

DACA51-99-R-0006

6. ISSUED BY

CODE

e3p0500

7. ADMINISTERED BY (If other than Item 6)

CODE

E3P0000

CONTRACTING - CONTRACTS BRANCH

26 FEDERAL PLAZA

ROOM 1843

NEW YORK, NY 10278

Ina Ohrwassel

C06 (212) 264-0154

CONTRACTING DIVISION

26 FEDERAL PLAZA

ROOM 1843

NEW YORK, NY 10278

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Vendor ID:

(X)

X

9A. AMENDMENT OF SOLICITATION NO.

DACA51-99-R-0006

9B. DATED (SEE ITEM 11)

12/01/98

10A. MODIFICATION OF CONTRACT/ORDER NO.

10B. DATED (SEE ITEM 13)

CODE

FACILITY CODE

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

## 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The Draft Environmental Assessment, Section J Attachment I, is included for information purposes only. Additional technical questions and answers are also included in this amendment. The due date for proposals is hereby extended to 12:00 noon on 23 April 1999. Sealed offers in original and copies specified in Section L must be received at 26 Federal Plaza, Room 1843 by that time. Each offeror must acknowledge this amendment prior to

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

BY

(Signature of Contracting Officer)

SF 30 CONTINUATION SHEET

the hour and date specified in the solicitation by; completing items 8 and 15, of this form and returning one copy of this amendment to this office, acknowledging receipt of this amendment on each copy of the offer submitted, or separate letter or telegram which includes a reference to the solicitation and amendment numbers. Failure to acknowledge any amendment by the date and time specified may result in rejection of your offer in accordance with the Late Bids, Late Modifications of Bids or Late Withdrawal of Bids (FAR 52.215-0010).

Paragraph C.18 - Delete the second sentence.

Paragraph H.12 - Replace H.12 with the term "RESERVED".

Section J - Add the following "Attachment I - Draft Environmental Assessment (For Information Purposes Only)."

Question: Will the Government's liability disclaimer at Paragraph 7 of the Easement Agreement be deleted or subordinated to the liability protection of Section H.11.1 and Section H.11.5 of the Solicitation?

Answer: Referenced language will not be deleted or subordinated to other language. Should a situation arise concerning the easement, paragraph 7 would control. Situations not concerning the easement will be subject to the appropriate section of the solicitation.

Question: Will the Termination Clause and Paragraph 16 of the Easement Agreement be conformed with the termination provisions of the Solicitation?

Answer: Referenced language will not be modified. Should a situation arise concerning the easement, paragraph 16 would apply. Situations not concerning the easement will be subject to the appropriate section of the solicitation.

Question: Will the Environmental Protection Clause at Paragraph 18 of the Easement Agreement be conformed to the Solicitation to require that the Government will perform environmental remediation work at the site?

Answer: Referenced language will not be modified. Should a situation arise concerning the easement, paragraph 18 would apply. Situations not concerning the easement will be subject to the appropriate section of the solicitation.

Question: Will the Government delete the Restoration Clause at Paragraph 21 of the Easement Agreement?

Answer: Referenced clause will not be deleted. Should a situation arise concerning the easement, paragraph 21 would apply. Situations not concerning the easement will be subject to the appropriate section of the solicitation.



Question: Will the Contractor be entitled to an adjustment if a change in law applicable to a provision of service under the contract increases the time or cost of the Contractor's performance?

Recommendation to the Government. Please incorporate the following language: "The Contractor(s) shall be responsible with local, state and Federal codes are changed or new ones are put into effect. The Contracting Officer shall grant the Contractor an equitable adjustment in the contract price, the delivery schedule, or both, and shall modify the contract for the effects of such changed laws in accordance with FAR 52.243-1, as if the changes dictated by such laws were changes ordered by the Contracting Officer."

Answer: Whether the contractor will be entitled to an adjustment if a change in law increases the time or cost to perform will depend on the facts of each individual situation. The Changes Clause in the contract will determine the appropriate course of action in each case.

Question: Will the Contractor be entitled to an adjustment if a change in tax law occurs, increasing the property or other taxes applicable to the project?

Recommendation to the Government - Incorporate FAR 52.229-04.

Answer: Whether the contractor will be entitled to an adjustment if a change in law increases the time or cost to perform will depend on the facts of each individual situation. The Changes Clause in the contract will determine the appropriate course of action in each case.

Question: Section C.7.1 obligates the Contractor to comply with laws even as they change or new ones are placed in effect. Will the Government compensate the Contractor for its associated costs of compliance?

Answer: Whether the contractor will be entitled to an adjustment if a change in law increases the time or cost to perform will depend on the facts of each individual situation. The Changes Clause in the contract will determine the appropriate course of action in each case.

Question: How will the prices be adjusted for unforeseen capital improvements? For example, if a new law or regulation requires additional capital investment in year 4 how will the additional expense be amortized?

Answer: The offeror should include its projections of all capital improvements in its offer. There should be no additional amortization

Question: What standards will apply to distinguish between a capital and an expense item?

Answer: The offeror should distinguish between capital and expense items based on their own policy.

Question: Section H.8 indicates that termination liability shall be based upon FAR 52.241-10, but is not incorporated at Section I. Recommendation to the Government - Please consider the following language which is adapted from the Fort Carson FRP "Termination liability will be determined primarily by the method of accounting/finance proposed by the Offeror. The Contractor(s) shall establish a termination schedule for each system at the beginning of the contract term. The termination schedule shall be updated monthly during the contract term, recording initial and periodic capital investment, payments for capital recovery, and providing a reconciliation for payments and unrecovered capital investment. The Government's termination liability associated with the system shall be limited to the Contractor's unrecovered capital investment at the point of termination plus any additional termination liability in accordance with FAR 52.249-2, Termination for the Convenience of the Government (Fixed Price). The Government retains the right of First Offer.

"Additional termination costs that may be included in the termination liability are reasonable and documented costs that the Contractor(s) may have incurred to discontinue its requirements to provide the service required under this contract." The Contracting Officer shall notify the Contractor if available funds are or are expected to be insufficient to fund the termination liability for any six month period. In the event, the Contractor, at its option, may elect a termination for convenience."

Answer: The clause is included in amendment 0003.

Question: Section C.18 states the Contractor shall be obligated to provide services notwithstanding the term of the Contract, and that the contract will continue after the 10 year term until termination at the option of the Government. On what terms and conditions does the agreement continue past the term?

Answer: Paragraph C.18 has been revised to remove the confusing language. The contractor will not be obligated to provide services notwithstanding the term of the contract.

Question: Because the Contractor will have a nonexclusive easement, how does the Government propose to determine responsibility for environmental conditions?

Answer: The party responsible for the environmental condition will be responsible for its resolution.

Question: How does the Government plan to handle remediation of any environmental condition that is pre-existing but not known on the commencement date of the contract, from the standpoint of the interaction between the Government and the Contractor?

Answer: The Government will be responsible for any condition not indicated in the environmental assessment.

Question: Will the Government actually perform or arrange for the remediation and pay for it or will the Contractor be obligated to do the work and be reimbursed by the Government?

Answer: The remediation will be determined by the Government (DPW) on a case by case basis.

Question: Would the Government assume exclusive liability under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) for any pre-existing hazardous substances that must be disposed of in the course of work under the contract?

Answer: The Government will not assume exclusive liability under CERCLA.

Question: It is not clear from the Solicitation or the Easement how and when title to the facilities is transferred to the Contractor. Will the Government amend the Solicitation to more clearly define how transfer of title will occur (bill of sale?)

Answer: Electric, Wastewater, and Water transfer to the contractor upon award. Ownership of the Natural Gas system will transfer when the Offeror determines it is ready to assume the responsibility. The tiles will be transferred by a Bill of Sale.

Question: Reference Amendment 0002, page 4, question relating to C.4.5 Contractor Facilities: The answer to this question contradicts the information provided in Section C.17, Support Services/Utilities in the RFP issued 22 January 99. Please clarify.

Answer: The office space will be provided by the Government. Everything

else is at the contractor's expense.

Question: Reference Amendment 0002, page 10, question relating to section H.12, Disposition of Environmentally Sensitive Waste. The answer to this question conflicts with the language provided H.11.4 and H.11 Hazardous Substances. Please clarify?

Answer: Paragraph H.12 has been reserved by the Government. The conflicting language has been deleted.

Question: Section C.4 & 7. states the terms of the signed contract will remain in force and effect if the Government approves transfer of ownership to a new Contractor. Is the Government really saying the Contractor may resell the systems to a third party, but remains the Contractor unless and until the Government approves a novation of the contract?

Answer: The Contractor may resell the systems to a third party, subject to the right of first refusal by the Government.

Question: Will the Government amend the Solicitation to include provisions whereby the Contractor may terminate the contract and "put" the facility back to the Government upon the occurrence of certain defined events (e.g. a base closing or sale of the base to a private party) and pursuant to a price determinable by a formula?

Answer: The solicitation includes termination for convenience of the Government and termination for default clauses (both exercised at the option of the Government). One of these clauses will control the situation described in the question.

Question: Amendment #2 answers a question concerning H.21 by stating "The Government is specifically prohibited from any Contractor indemnification."

Please state the authority for this statement.

Answer: The "Anti-Deficiency Act", 31 U.S.C. 1341, is the authority for prohibition of contractor indemnification by the Government.

Question: Section I.27. It is important to know whether the Government will retain ownership of the gas line, because this will affect labor rates and categories under Davis Bacon Act. Please state whether the Government will own the gas line?

Answer: It is the offeror's option when to take ownership of the gas line.

The Government will maintain ownership until the offeror makes that decision.

Question: Will the Government compensate the Contractor for its costs to comply with the master facility plan?

Answer: The Master Facility Plan is provided for information purposes only. There will be no compensation.

Question: In Amendment 0002 the Government states that the Contractor will not be entitled to do its own environmental analysis of the systems and the site prior to the conveyance of the systems and that the Government is prohibited from providing indemnity protection to the Contractor in this respect. Please confirm that the Government will be solely responsible at its expense for remediating any pre-existing environmental problems that are uncovered by the Contractor, the Government or a third party during the term of the contract, and that such remediation work will be undertaken so as not to disturb Contractor's ability to perform the distribution services required to be performed by it or if such disturbance cannot be reasonably avoided, then an equitable adjustment in compensation shall be made in favor of the Contractor.

Answer: The Government will be responsible for any condition not indicated in the environmental assessment. Remediation will be determined by the Government (DPW) on a case by case basis.

Question: Has the Government performed an analysis to determine whether the Systems are "Y2K compliant" and if so, will such analysis be made available to the bidder?

Answer: An analysis is in development and will be provided if and when it becomes available.

Question: In Amendment 0002, the Government states that the Contractor shall be responsible for the collection and disposal of all hazardous waste in the area. Please confirm that the Government shall be responsible for any waste that is pre-existing at the areas prior to the conveyance of the systems to the contractor.

Answer: The Government will be responsible for any condition not indicated in the environmental assessment. Remediation will be determined by the Government (DPW) on a case by case basis.

Question: In amendment 0002, in response to the question "What happens at the end of year 10?" the Government responded "See paragraph C.4.7" That

paragraph states that the Government shall have the "option" to negotiate a sole source contract with the Contractor or reacquire the facilities described in Section H. Please confirm that the Government must elect either one of these two options at expiration or other termination of the term. If the answer for some reason is no, please describe what happens at the end of the term to the Systems, taking into account the terms of the Easement, if one of those options were not exercised by the Government.

Answer: The Government will either; negotiate a sole source contract, or reacquire the facilities.

Question: In Amendment 0002, the Government stated that "Even if the NYS PSC rules and regulations do not apply, "by definition" the contractor requires compliance." Does this mean that even though the Contractor and the services will not be subject to NY PSC regulation, the contract between the Government and the contractor will require compliance with those rules and regulations. If so, which rules and regulations is the Government referring to? Please confirm that the Government is not suggesting that the Contractor and the services will be subject to economic regulation by the NY PSC or subject to other regulatory provisions, such as NY PSC access to the Contractor's books and records?

Answer: There is no intent to subject a non-regulated contractor to the economic regulation of the NY PSC. The contractor will be subject to the operation and maintenance standards.

Question: Amendment 0002, the Government states that if the Contractor needs an additional easement(s) (presumably to account for the installation or maintenance of any rerouted wires, mains, etc. that may be required to account for the upgraded or improved facilities), any charge for additional easements will be determined on a case by case basis at the time of the request. Since any rerouting of such systems would only be done if it would result in an improvement to the Systems, and such benefit would inure to the Government, what is the rationale for charging such expense to the Contractor? In addition, in many of the answers furnished by the Government, the Government has indicated that no plans or records are available. Thus, in many cases it will not be possible for a contractor to know whether it will need an additional easement until the Systems are transferred.

Answer: There will be administrative charges (processing fees) for additional easements. New work will require modified easements and will require adherence to applicable rules and regulations, i.e. NEPA, AR 200-1, AR 200-2, etc. The easement itself, if restricted to the use of the actual utility distribution system, would not be charged. However, if the easement

use is not related primarily to the utility distribution system there may be additional charges and permissions.

Question: Will the Government amend the Solicitation to state that the Contractor shall have no liability for consequential damages?

Answer: The Government will not amend the solicitation to state the contractor will have no liability for consequential damages.

Question: L10.2.2 and C23: Please clarify which resumes are required as part of this solicitation. does the Government seeks resumes for the Project Manager, Alternate Project and Utility Maintenance Manager, or does the Government seek resumes for all personnel?

Answer: Resumes should be supplied for all key personnel. Those listed above should be included.

Question: Paragraph C.17: The 500 s.f. office space was not shown on the site visit. Will this space be suitable for use as an O&M shop? Are the parking spaces adjacent/nearby this space? Which building is the space located in? Is the space on the ground floor of the building?

Answer: The office space will be determined at a later date. Parking will be on a first come first served basis. the space will not be suitable for an O&M shop.

Question: Paragraph L.10.1 and H.2.3.2 Initial O&M Plan. Paragraph H.2.3.2 requires the contractor to provide a series of cost and pricing information in the initial O&M Plan. This requirement appears contrary to Paragraph L.10.1 which states that "no price information shall be included in the Technical Proposal" Please clarify.

Answer: The pricing information listed in the cited paragraph will be included as part of the pricing proposal.

Question: Define the acronym NARUC USOA.

Answer: Refer to paragraph H.5.1 National Association of Regulatory Utility Commissioner's Uniform System of Accounts.

SECTION J ATTACHMENT I

**ENVIRONMENTAL ASSESSMENT  
FOR PRIVATIZATION  
OF  
THE NATURAL GAS DISTRIBUTION SYSTEM  
FORT HAMILTON ARMY POST  
BROOKLYN, NY**

April 1, 1999

Prepared by:  
**C. H. Guernsey & Company**  
5555 North Grand Blvd.  
Oklahoma City, OK 73112

DACA51-99-R-0006 Amend. 0005



**ENVIRONMENTAL ASSESSMENT**  
**FOR PRIVATIZATION**  
**OF**  
**THE WATER DISTRIBUTION SYSTEM**  
**FORT HAMILTON ARMY POST**  
**BROOKLYN, NY.**

**April 1, 1999**

**Prepared by:**  
**C. H. Guernsey & Company**  
**5555 North Grand Blvd.**  
**Oklahoma City, OK 73112**

SECTION J ATTACHMENT I

Environmental Assessment for Privatization of the Water Distribution System  
Fort Hamilton Army Post, Brooklyn, NY

April 1, 1999

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SECTION J ATTACHMENT I

Environmental Assessment for Privatization of the Water Distribution System  
Fort Hamilton Army Post, Brooklyn, NY

April 1, 1999

**I. PURPOSE AND NEED**

The act of privatization accomplishes the divesting of ownership and responsibility for the operation, maintenance, and further development of the water distribution system. Under the current Army Rules, this type of action requires an environmental assessment (EA) to determine impacts associated with this action and their significance. If significant impacts are discovered, further investigation will follow in the form of an *Environmental Impact Statement* (EIS). But if no significant impacts are found, the result will be the preparation of a *Finding of No Significant Impact* (FNSI).

The need for the proposed privatization of the water distribution system is due to several factors affecting the installations' operations and the Army's mission, overall. The primary reasons are based on environmental compliance with local, state, and federal rules and regulations, future budget scenarios indicating that decreasing resources will be available to operate all facilities at the U.S. Department of the Army (DA), aging components of the utility systems requiring replacement due to wear and tear, and the need for increased efficiency. The inefficiency results in the consumption of additional energy at added cost, or less than optimal service to the customer. Future funding projections for the Department of Defense activities does not appear to be sufficient to address these deficiencies. In some cases the deficiencies will cause the utilities to be further out of compliance with existing or projected Federal, state, or local environmental regulations. Transfer of the utilities to private operators will create opportunities for future improvements in physical plant and operation.

**II. DESCRIPTION OF THE PROPOSED ACTION**

The Department of the Army is proposing the privatization of the potable water utility services for Fort Hamilton Army Post (Post), Brooklyn, New York (Figure 1). The water distribution system consists exclusively of a water line distribution system. The Post purchases and is delivered treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. The water distribution system is owned by The Post, but has been maintained and repaired by general service contractors since 1986. Potable water is delivered to The Post by the City of New York City at three (3) locations (Figure 2).

Privatization is defined as the transfer of ownership, responsibilities, investments, upgrade, plant replacement, continued operation and maintenance of the Army-owned utility systems to the non-Department of Defense sector. The transfer of ownership of Government-owned property is currently subject to Congressional notification and all agreements made pursuant to this notification are subject to final Congressional notification. This privatization action will be completed upon the evaluation of potential contractors not yet identified. Both the potential contractors and the DA will evaluate the feasibility of divesting the potable water distribution system. If it is in the better interest of the DA to divest the system and there is an interested and qualified contractor to claim ownership, the system discussed will be transferred according to the *Consolidated Utility Privatization RFP*, January 1999 for the privatization of utilities at Fort Hamilton, NY.

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Environmental Assessment for Privatization of the Water Distribution System  
Fort Hamilton Army Post, Brooklyn, NY

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The actual privatization of the water system poses no significant threat to the environment or public health. However this type of action also focuses on the management of the utility system when and if the system is privatized. Whether the Department of Public Works (DPW) for the Post manages the system or a private contractor manages the system, the necessary upgrades or repairs are necessary in the future and the effects of these changes to the system need to be first identified and then evaluated.

### III. ALTERNATIVES

#### Alternative A/Privatization

This alternative proposes the privatization of the water distribution utility services to a private contractor. This contractor will be responsible for maintenance, upgrade, planning, additions, and all permits, easements, and agreements necessary between their customer and any regulatory agencies with jurisdiction over any proposed changes to the system.

#### Alternative B/No Action

This alternative proposes no change in the current ownership or operation of the water utility services.

### IV. AFFECTED ENVIRONMENT

The proposed action has the possibility of impacting the surrounding environment around the distribution lines. This environment in some areas includes the existing soil and geology structure, the Nationally Registered Historical Places, areas of archaeological value, past and present environmental episodes currently in mitigation, and areas that have the possibility of creating a threat to the public health.

### V. IMPACTS

#### 1. LAND USE

Currently the land occupied by the Post is primarily used for Army administration, logistics, and support services as the last active army post in the greater New York City Metropolitan area. Water lines traverse the 117 acres servicing the buildings on Post. Future use of this land for the function of water distribution will not change as a result of proposed Army actions.

#### Alternative A

Land ownership will be different due to easement guidelines determined between the contractor and the DPW of the Post. This could have a significant impact on future actions,

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in the event of a non-agreement on ownership of the real property surrounding the water distribution system.

Alternative B

With no action the ownership and land use would not change. Therefore there is no significant impact resulting for this action.

2. AIR QUALITY

The New York City Metropolitan area is in nonattainment for several criteria pollutants as defined under the National Ambient Air Quality Standards (EPA-August 1998, Parsons Harland Bartholomew & Associates). These criteria pollutants are sulfur dioxide, nitrous oxide, volatile organic compounds, carbon monoxide, total suspended particulates and particulate matter smaller than ten micrometers. According to the regulations, the Post is considered a minor source of air pollutant emissions and is not required to submit an annual Emission Statement to City and State.

Alternative A

With the proposed action of privatizing this service there would be no significant impact. Although there will be increases in some of the criteria pollutants during any construction to the potable water distribution system, carbon monoxide, particulate matter (dust, etc.) the increase is expected to be minimal.

Alternative B

This action poses no significant impact within the project area. Although there will be increases in some of the criteria pollutants during any construction to the natural gas distribution system, carbon monoxide, particulate matter (dust etc.), the increase is expected to be minimal.

3. WATER QUALITY/QUANTITY

The Post purchases and is delivered treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. Potable water is delivered to The Post by the City of New York City.

Alternative A & B

In either situations proposed by the Department of the Army, there will be no impact to the quality or quantity of water supplied by the City of New York City. Nor will related projects initiated in the future cause any impacts on the current system.

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Environmental Assessment for Privatization of the Water Distribution System  
Fort Hamilton Army Post, Brooklyn, NY

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4. WASTE DISPOSAL

In 1994, the Post generated approximately 2 million pounds of residential solid waste and 500,000 pounds of commercial and industrial solid waste. The Post disposes of solid waste via the services of private contractors who maintain and empty collection containers located throughout the installation. Individuals and janitorial personnel collect solid waste from activities within buildings and place it in the collection containers. The contractor removes the waste to transfer stations in the vicinity of the Post. Subsequently, the waste is carried to public and private landfills and other waste disposal sites. Recycling of office and household solid waste has been initiated at the Post. Aluminum, glass, newspaper, office paper, and plastic bottles are accumulated in special containers located in residences and in offices. A recycling contractor periodically collects these materials and removes them to commercial recycling operations off-post. Medical waste is collected at the Ainsworth Clinic and removed by a contractor for appropriate disposal off-post. Hazardous waste is removed by a Defense Reutilization and Marketing Office (DRMO) contractor (EBR-August 1998, Parsons Harland Bartholomew & Associates). See subsection 14 of this EA for specifics pertaining to hazardous waste disposal.

Alternative A

With the proposed action of privatizing this service there would be no direct impact for the project. There are no waste associated with the water distribution system.

Alternative B

This action poses no direct impact to life or property within the project area.

5. NOISE

Typical on-post noise sources at Army installations include tank, artillery and small arms fire; helicopter flights; fixed-wing flights; and explosive ordnance detonations. However, none of these noise sources exist at The Post. In fact, noise generated at The Post is insignificant compared to the existing noise levels in the community (NYAC and Fort Hamilton, 1989).

Alternative A

There would be no direct impact for the proposed action of privatizing this service. There are no wastes associated with the natural gas distribution system.

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Environmental Assessment for Privatization of the Water Distribution System  
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Alternative B

This action poses no direct impact to life or property within the project area. There are no wastes associated with the natural gas distribution system.

6. TRANSPORTATION

Street/Road travel through the Post is the primary form of transportation. The proposed actions by the Department of the Army will not severely impact the travel within the Post during normal operations. When construction projects are undertaken, the police department on Post will handle the necessary changes on a case by case based ensuring travel is achieved in an orderly fashion.

Alternative A

With the proposed action of privatizing this service there would be no direct impact to life or property within the project. Construction repair or replacement activity associated with the water distribution system should cause only temporary disruption to traffic on the Post.

Alternative B

This action poses no direct impact to life or property within the project area.

7. IONIZING AND NON-IONIZING RADIATION

There are no ionizing or non-ionizing sources of radiation currently on post. Proposed actions by the DA or future maintenance on the system will not cause impact of this nature.

Alternative A

These actions pose no direct impact to life or property within the project area.

Alternative B

These actions pose no direct impact to life or property within the project area.

8. PREHISTORIC AND HISTORIC SITES

Three of the installation's structures are listed on the National Registry of Historic Places (NRHP); Building 207, Building 220, and Building 230 (EBR-August 1998, Parsons Harland Bartholomew & Associates). Due to the proximity of the water distribution lines, there are potential impacts anticipated with construction activities (Figure 3).

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Archeological surveys were conducted on the Post and no sites were identified. However, The Post is still considered a site of archaeological value and coordination with the New York State Historic Preservation Office (NYSHPO) is ongoing to determine if other sites are located on Post. (EBR-August 1998, Parsons Harland Bartholomew & Associates)

### Alternative A

These actions posed do not directly impact the environment or public health. However, the Cultural Resources Management Plan for the Post identifies the potential for archaeological resources (both historic and prehistoric) to be located beneath the fill that is present within the bounds of the installation. Any activities that requires disturbance beneath this fill or out of the existing trenches has the potential to displace or destroy cultural resources. Therefore any construction within the Post boundaries must be cleared and confirmed through the NYSHPO prior to initiation and the DPW must be informed for the proper coordination of the project. The required method of notification is by requesting a Section 106 review for historic and archaeological sources.

### Alternative B

Under the previously stated constraints, the procedure for impact mitigation would not change based on the user. Therefore the actions would still be the same if the DA retained ownership of the Water system. Any water line construction activities could impact NRHPs.

## 9. UTILITIES

### Electricity

The Post currently purchases wholesale electric power at 26.4 kV from Consolidated Edison Electric Company (ConEd) at a single primary delivery voltage point near the center of the east boundary of the Installation (Figure 4). The Post owns and operates an electric utility distribution system consisting of: one 26.4 kV distribution substation, approximately 3.2 circuit miles of overhead primary distribution lines and approximately 1.3 circuit miles of underground primary lines. The electrical distribution system is owned by the Post, but has been maintained and repaired by general service contractors since 1986.

### Gas

The Post currently uses Government-owned facilities to distribute natural gas within the Installation boundaries (Figure 5). The Post's natural gas distribution system operates only on the installation for services within the Post boundary. The natural gas distribution system is owned by the Post, but has been maintained and repaired by general service contractors since 1986. Natural gas is delivered by Keyspan and connects to the installation's distribution system at three (3) points. One connection point and 2 master



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meters are at the intersection of 101<sup>st</sup> Street and Hamilton Parkway. Another connection point and residential meters are near the intersection of Battery Avenue and Poly Place which provides natural gas to the high rise apartments; Buildings 136, 137, and 138. The third connection point and residential meter is along Poly Place and provides natural gas service to Building 135. The natural gas commodity is currently supplied through a Department of Defense (DOD) supply contract and transported to the Post distribution system by BUG/Keyspan. The Government assumes ownership on the low side of each natural gas meter/master meter at the BUG/Keyspan point connection.

Wastewater

The Post wastewater distribution utility system consists exclusively of a collection system and a single lift station (Figure 6). The Post does not own or operate any sewage treatment facilities. All sewage generated is pumped to the City of New York for treatment at five (5) connection points. The Post's wastewater collection system was originally installed in the 1950's and has been operated, maintained and repaired by a contractor since 1986.

Alternative A

This action poses no direct impact to the environment or public health within the project area. Nor will it adversely change the service to the Post customers. There is a potential for some minor impacts related to new construction or maintenance activities.

Alternative B

This action poses no direct impact to environment or public health within the project area.

10. SOCIOECONOMIC CHARACTERISTICS

The impact on the socioeconomic environment for the proposed project is expected to be insignificant. This is because all utility maintenance positions are currently non-governmental. Impacts will be limited to the private sector. But the divesting of the utility would require a work force to operate the utilities in order to provide the same level of service that the Army will demand.

Alternative A

This action poses minimal direct or indirect impact to the socioeconomic environment within the project area. Change in the service to the Post customers will also be minimal because the personnel necessary to meet the demand for service will continue to be supplied.

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Alternative B

This action poses no direct or indirect impact to the socioeconomic environment within the project area.

11. VEGETATION

The Post's vegetation consists of common plant species which are adapted to and are characteristic of urban areas. In most areas of the installation, well established lawns and trees exist. There are no undisturbed tracts of vegetation communities remaining at the Post (US Army Corps of Engineers, March 1997).

A tree inventory was completed for the Post in July 1996. The purpose of the tree inventory and management plan was to identify the health of the tree species, the amounts of the trees, and liabilities of hazardous tree conditions. The tree inventory addresses tree care requirements for all trees over 2 inches in caliper located at The Post.

The majority of the trees at the Post include London plane (37%), pin oak (9%), Japanese black pine (8%), flowering crabapple (8%), honey locust (7%), hawthorn (4%), eastern white pine (4%), and cherries (3%). Most of the shade or canopy trees are mature. Often these large trees have not been maintained or pruned over the years. Many of the large trees interfere with overhead wires (EBR-August 1998, Parsons Harland Bartholomew & Associates)..

The grass and herbaceous species on Post tend to be common plant species which have adapted to constant occupation of post for the last one hundred years.

The Post has plans for major Landscape projects in three areas: Sterling Drive, Wainwright Drive, and Lee Avenue (EBR-August 1998, Parsons Harland Bartholomew & Associates).. The natural gas distribution system traverses the planned areas at different points. Maintenance/construction in these areas should be cleared with the DPW for proper coordination of each project.

As reported in the May 1998 Environmental Baseline report, the New York State Department of Environmental Conservation (NYSDEC) was requested to review the Natural Heritage Program for information indicating the presence or absence of rare, threatened or endangered species. According to correspondence dated February 27, 1998 concerning the Post there were no potential impacts to endangered, threatened, or special concern wildlife species, to rare plant, animal, or natural community occurrences, or to other significant habitats (Ms. Teresa Mackey, NY Natural Heritage Program). However, the NYSDEC urges the final evaluation be determined by an on-site investigation prior to development or construction. This is due to the nature of continued change in habitats, communities, and species and on-going research.

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### Alternative A

In the event of construction or maintenance to the water distribution system there will be some destruction and damage to the flora and their habitat. According to the NYSHPO some of the trees on Post could be considered as structures contributing to the historic and archaeological value of the identified NRHPs. To have the trees removed or pruned, the NYSHPO require a Section 106 review in the event of disturbance. Also, the DPW requires no specific guidelines concerning the management of flora on Post, but coordination and subsequent approval for actions resulting in the destruction, pruning, or any alteration to current tree inventory is required (Mr. Peter Koutroubis, Ft. Hamilton Environmental Chief).

### Alternative B

For the purpose of construction or maintenance, the impacts for this action would be the same and would require the same mitigation procedures in Alternative A.

## 12. WILDLIFE

The existing fauna of the Post consists of common animal species adapted to and characteristic of urban areas. The area is characterized by a variety of urban fauna including rats, pigeons, sea gulls, cats, dogs, squirrels, and a variety of birds. There are no sensitive wildlife habitats at the Post (EBR-August 1998, Parsons Harland Bartholomew & Associates).

The New York State Department of Environmental Conservation was requested to review the Natural Heritage Program for information indicating the presence or absence of rare, threatened or endangered species. According to correspondence dated February 27, 1998 concerning the Post there were no potential impacts to endangered, threatened, or special concern wildlife species, to rare plant, animal, or natural community occurrences, or to other significant habitats (Ms. Teresa Mackey, NY Natural Heritage Program). However, the NYSDEC urges the final evaluation be determined by an on-site investigation prior to development or construction. This is due to the nature of continued change in habitats, communities, and species and on-going research.

### Alternative A & B

The proposed actions should not damage or cause destruction of the existing fauna of the Post. Therefore the impacts of these proposed alternatives should be insignificant.

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### 13. CONSTRUCTION EFFECTS

Currently there are no plans for alterations or restoration to the land of the proposed system. Therefore impacts will be minimal. However, in the event of construction associated with repair or maintenance, construction effects to the land will be definite. Under these circumstances the impacts will need to be evaluated on a case by case bases.

### 14. HAZARDOUS MATERIALS

From 1992 through 1995, the Post was classified as a large quantity generator of hazardous waste. This was primarily due to UST removal from building 200, on-site gasoline station, and other clean-up activities conducted in 1991. When these tanks were removed, elevated readings of hydrocarbon vapors (from 70 to 380 parts per million) using the photo ionizing detector were found approximately 15 feet below surface grade. Once a facility generates 1,000 kg of hazardous waste in any one month, it is considered a large quantity generator for the entire calendar year. The Post has been listed as a small quantity generator since 1996. Currently, all hazardous waste generated on post is collected, removed, and disposed of properly by a contractor. There are no assigned accumulation points or storage areas (EBR-August 1998, Parsons Harland Bartholomew & Associates).

#### Alternatives A and B

Any activity relating to hazardous material management would in no way affect the water distribution system. Therefore the proposed actions would not impact the current hazardous material management.

### 15. PERMITS REQUIRED

The privatization proposed by the DA requires no permits for the transfer of ownership or maintenance. In the event of repairs or additions to the water distribution system, there are permits required in relation to the NRHPs and points of possible archaeological value. These permits will need to be requested and cleared through the NYSHPO. The NYSHPO requires a Section 106 review that investigates historical and archaeological value for certain sites. Along with these permits the DPW requires the prior notice of all activity on Post for the proper coordination of construction actions.

There are possibly other permits required for construction or development on Post. At the time this EA was being developed, no agreements for the transfer of underlying land existed between the Post DPW and prospective system owners. Depending on this agreement the possibility of permits requiring procedures prior to maintenance, upgrade, or replacement exist. This agreement will need to be addressed further and separate from this assessment.

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The contractor is required to ensure that all applicable permits for the proper management, maintenance, and upgrade to the current system are secured prior to construction activity.

### 16. PUBLIC HEALTH AND SAFETY

Under any action posed by the divesting of the water distribution system the current condition of the system poses no significant impact to the public health or the environment.

### 17. SOILS AND GEOLOGY

The Post is located on the Atlantic Coastal Plain, which is overlain by a mixture of materials including clay, sand, gravel, and boulders. The area that includes the installation is composed of impermeable unstratified reddish sandy fill that varies in depth from 25 to 125 feet. There is some yellow loam that often covers this fill in areas mixed with boulders of varying shapes and sizes. In general, surface deposits within the Post are largely fill which covers former mud flats, sand beaches, and glacial debris. Unconsolidated sediments overlie the bedrock which consist of:

1. An upper layer section of poorly sorted (clay, silt, sand, and gravel) sediments.
2. A section of sand and gravel of glacial origin; and
3. A lower silty clay.

Historically, an extensive wetland area was situated in the eastern portion of the Post. This wetlands area was filled with hydraulic and dry fill during the twentieth century. In addition, the marshy areas along the shore received similar fill to an elevation of 10 feet or more to support the Belt Parkway (EBR-August 1998, Parsons Harland Bartholomew & Associates).

## VI. CUMULATIVE IMPACTS

### Current Construction

The proposed action by the DA will have no impact on projects currently underway. In the event of future maintenance to the water distribution system there could be impacts that are relevant. As an example construction is underway for the completion of a new commissary that will be located in the north corner of the Post. According to drawings supplied by the DPW, some existing lines in this area were removed as of 1984 and some remain. Therefore actions proposed by privatization could have some impact on current construction in this area. Depending on the completion of the commissary, and any maintenance activities to the water distribution system, there could be significant impact to each project. Situations such as these must be coordinated and approved on a case by case bases.

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Current Environmental Episodes

Mitigation/remediation efforts are on-going at building 200, the gasoline station located near the corner of Lee Avenue and Schum Avenue. There are water lines that border the north and west sides of the building 200 property. Subsurface activity in this areas could cause a cumulative impact if the remediation activity at this site has not been cleared prior to maintenance activity in this area. This impact and it seriousness is discussed in Section VII, Mitigation.

Landscape Plans

Landscape plans have been developed for three areas on the Post: Sterling Drive, Wainwright Drive, and Lee Avenue (Figure 7). The water distribution system traverses the planned areas at different points. Subsurface activity in these areas could cause cumulative impact during the initiation of the landscaping plans. Maintenance/construction in these areas should be cleared with the DPW for proper coordination of each project.

VII. MITIGATION

There is no comprehensive mitigation necessary or required for the proposed actions by the DA/Fort Hamilton, but there are specific applications that require attention. In the event of construction there are erosion control permits necessary for compliance to local, state and federal regulations. Local authorities on the Post will also have specifics on traffic control in the event of construction. The contractor will be expected to satisfy these mitigating factors prior to construction.

In the area of the building 200 gas station located near the corner of Lee Avenue and Schum Avenue, there are on-going remediation activities and procedural requirements that must be considered in the event of any subsurface activity. Currently the site does have active USTs which were installed in 1990. In May of 1997 there were moderate levels of Benzene, Toluene, Ethyl benzene, and Xylene (BETX) identified as remaining in the soil. However, it was determined that the contamination was confined and had not migrated or reached groundwater. Any construction activity on or around this site is to be coordinated not only with the DPW but also with the NYSDEC (Environmental Division, Fort Hamilton Installation Action Plan, March 1998).

As mentioned previously, the NYSHPO requires a Section 106 review that investigates historical and archaeological value for certain sites due to the lack of complete cultural information. Along with these permits the DPW requires the prior notice of all activity on Post for the proper coordination of construction actions.

The DPW requires no specific guidelines concerning the management of flora on Post, but coordination and subsequent approval for actions resulting in the destruction, pruning, or any alteration to current tree inventory is required (Mr. Peter Koutroubis, Ft. Hamilton Environmental Chief).

### VIII. LIST OF AGENCIES/PERSONS CONTACTED

Mr. Mike Paidoussis	Director of Public Works Fort Hamilton	(718)630-4501
Mr. Peter Koutroubis	Chief of Environmental Affairs Fort Hamilton, DPW	(718)630-4485
Mr. Tom Blair	Environmental Specialist Fort Hamilton, DPW	(718)630-4485
Mr. Frank J. Schieppati	Principal Investigator Panamerican Consultants, Inc.	(800)699-1320
Mr. Julian Adams	Historic Investigator New York State Historic Preservation Office	(518)237-8643 ext. 282
Ms. Cathy Howe	Historic Investigator New York State Historic Preservation Office	(518)237-8643 ext.266
Ms. Lisa Dunn	NY Economic Dev. Corp.	(212)312-3771

### IX. DISCLAIMER

This action of privatization poses no significant impact the Post. However the actions associated with the proper management of this utility system are numerous and very specific. Evaluations associated with each subsequent activity must be assessed on a case by case basis.

For the purpose of this Environmental Assessment (EA) all subsurface activity, construction activity, environmental remediation, and general utility maintenance was considered. Areas of particular concern were areas of cultural sensitivity, past environmental episodes, and areas containing threatened and endangered species. These and other factors were investigated and reviewed according to AR 200- 1 and 2 and the Army Environmental Managers Handbook for compliance with the National Environmental Policy Act (NEPA). Specific activities relating to future action proposed by the Army or the private contractor must be addressed separately.

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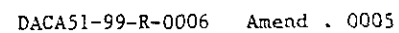
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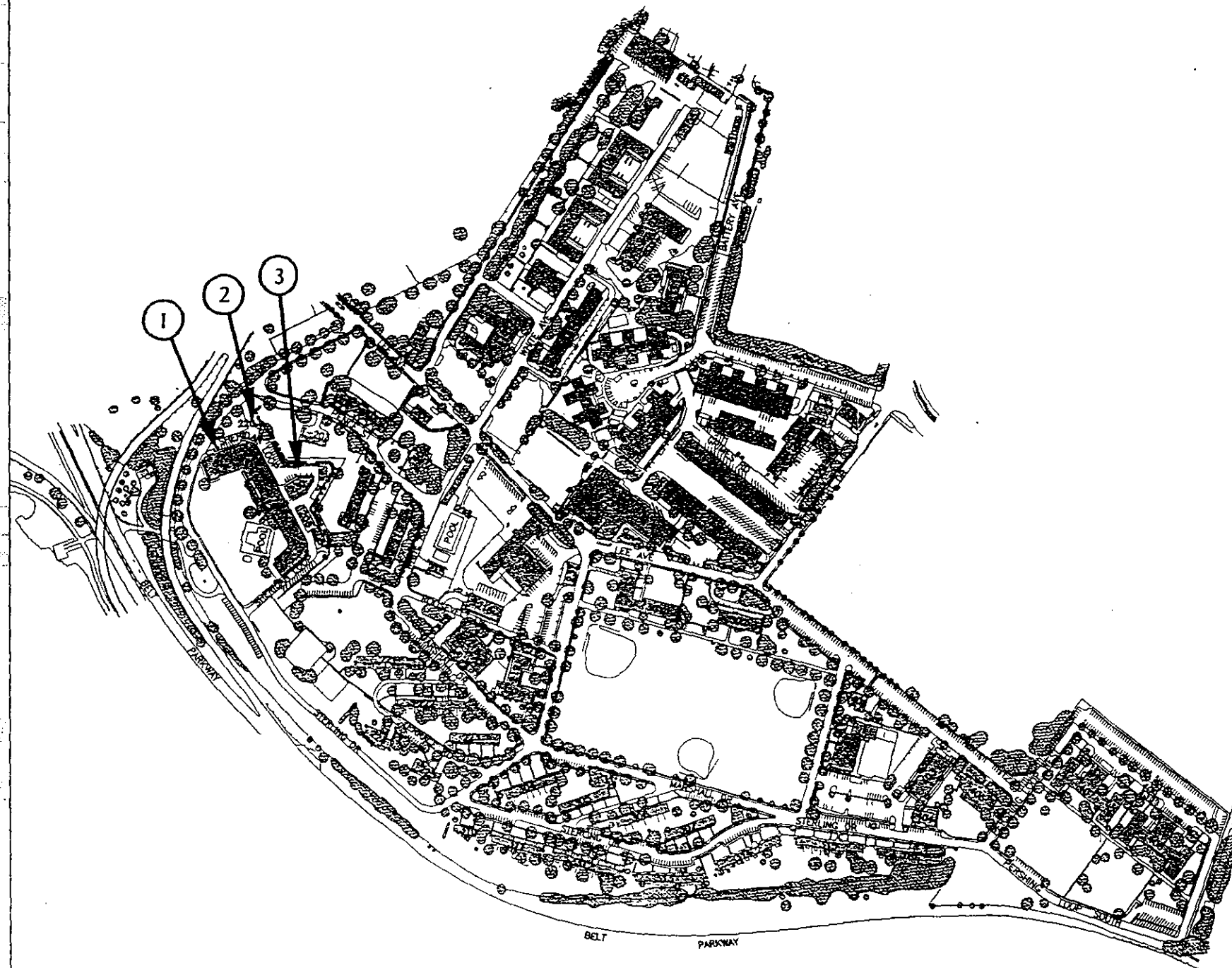
**X. CONCLUSIONS**



Based on the observations, interviews and records reviewed, it has been determined that the environmental effects of the proposed actions are not significant. However this statement must be clarified because the proposed actions involved do not incorporate maintenance/construction activity after privatization. In the event of maintenance, upgrade, or replacement, there are possible impacts that could affect existing conditions. Specific conditions in their perceived levels of sensitivities are:

- 1) The three Nationally Registered Historic Places, Bldgs. 207, 220, and 230. Maintenance activity in these areas should be coordinated through the DPW and the NYSHPO. Not only for the structures but also for the archaeological value possibly contained beneath the current fill throughout the Post and contributing vegetation near the NRHPs.
- 2) The on-going remediation activity at the existing gasoline station, Building 200. Maintenance activity in this area should be coordinated through the DPW and the NYSDEC.
- 3) In the event of construction or subsurface activity, the condition of the soils in the area must be evaluated (ie. hydrocarbon impacted). Along with evaluating the conditions of the soil, the necessary permits must be secured prior to the initiation of the activity.
- 4) Soil and erosion control procedures for all construction activity which disturbs the soil at the Post.







-  Buildings
-  Trees and Shrubbery

Facilities Listed on National Register of Historic Places

- 1 Bldg 207, Old Casemate Fort (Community Club)
- 2 Bldg 220, Sentry Station
- 3 Bldg 230, Museum



350 0 350 700  
SCALE IN FEET

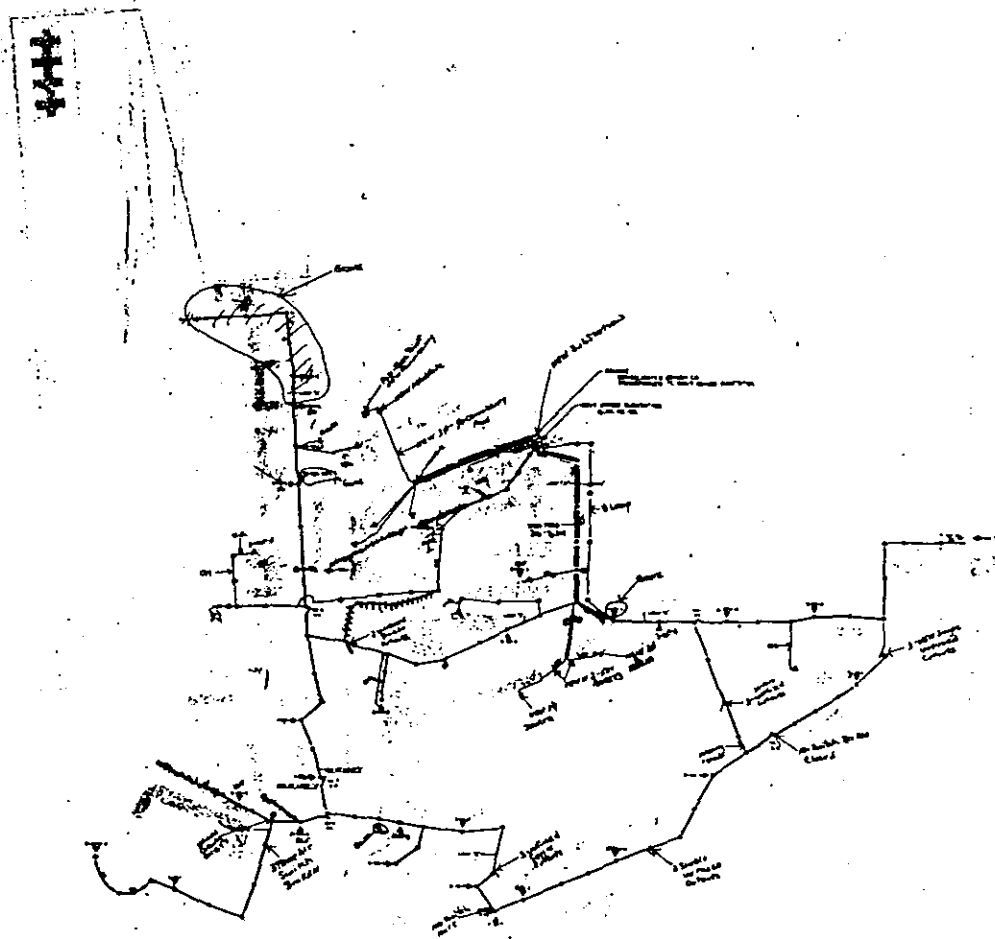
Source: New York Area Command and Fort Mifflin, NRHP, June 30, 1973.



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**Figure 3**  
**Cultural Resources**

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- LEGEND**
- Transformer
  - Switch
  - Line
  - 12.5KVA
  - 15KVA
  - 25KVA
  - 30KVA

**NOTES**

1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS.

2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE U.S. ARMY CORPS OF ENGINEERS (USACE) STANDARDS.

Sheet 2 - 12.5KVA, 15KVA, 25KVA, 30KVA



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Primary  
5000 volts

**Figure 4**  
**Electrical Utility**  
**Distribution System**

CORPS OF ENGINEERS

U. S. ARMY

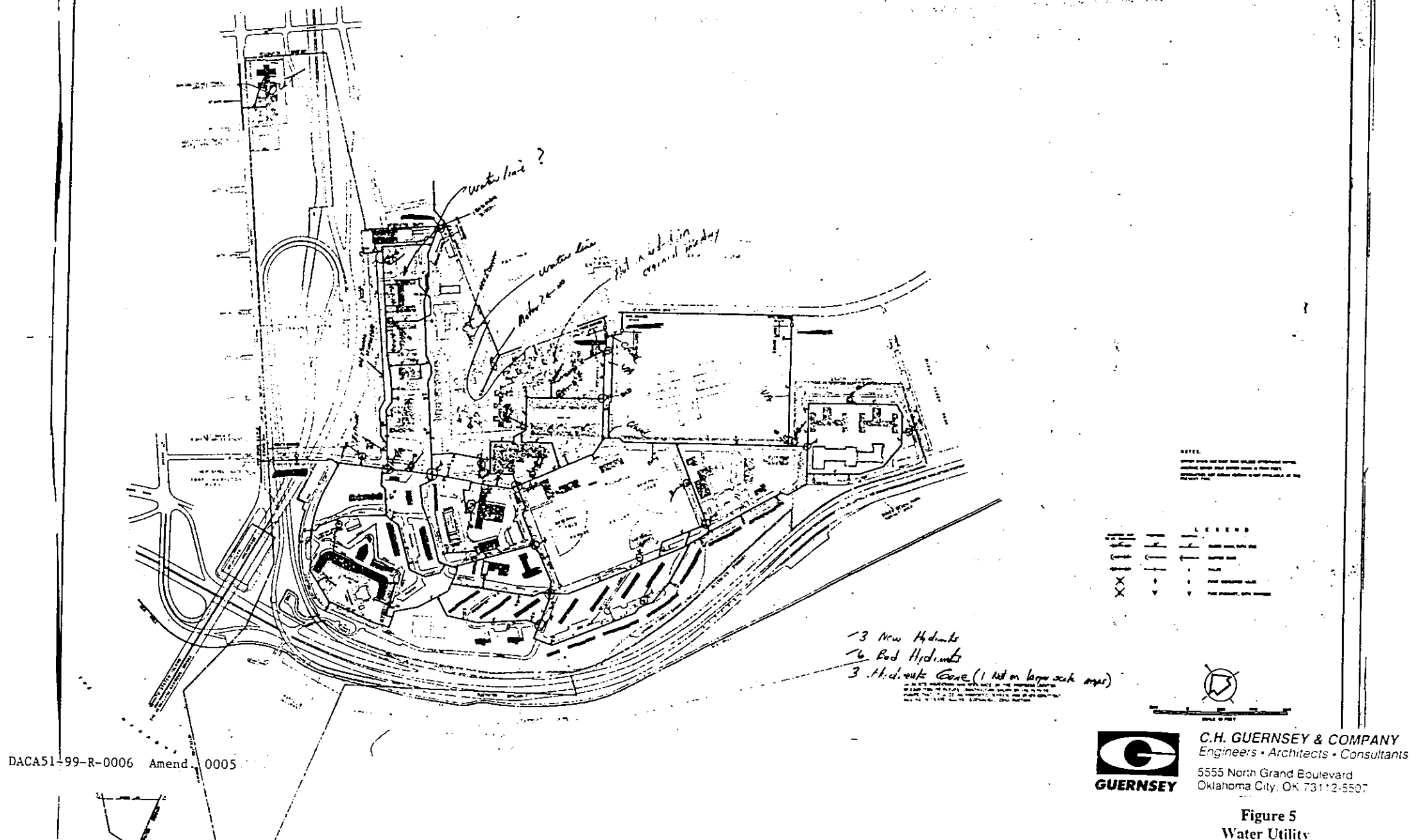
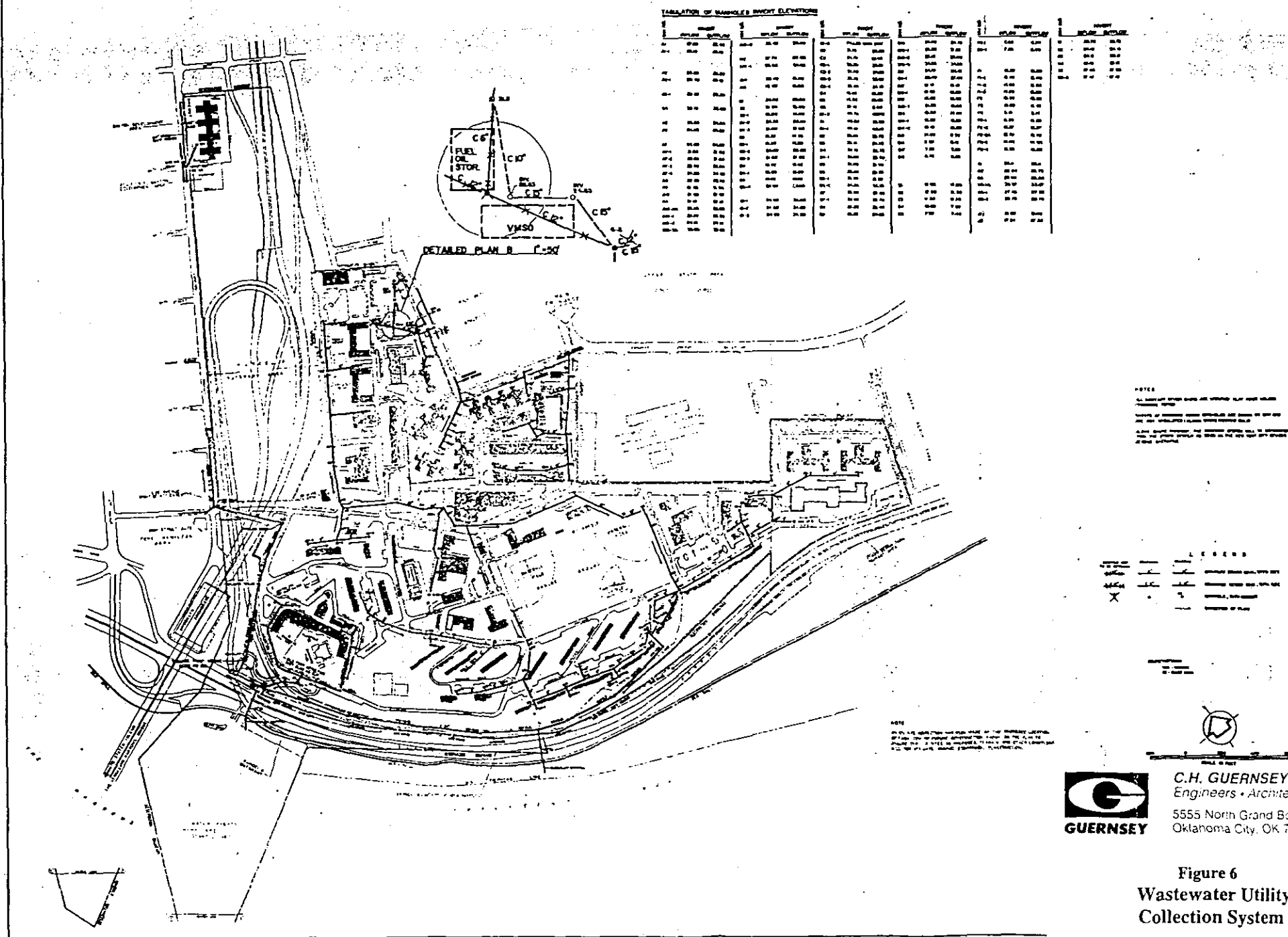
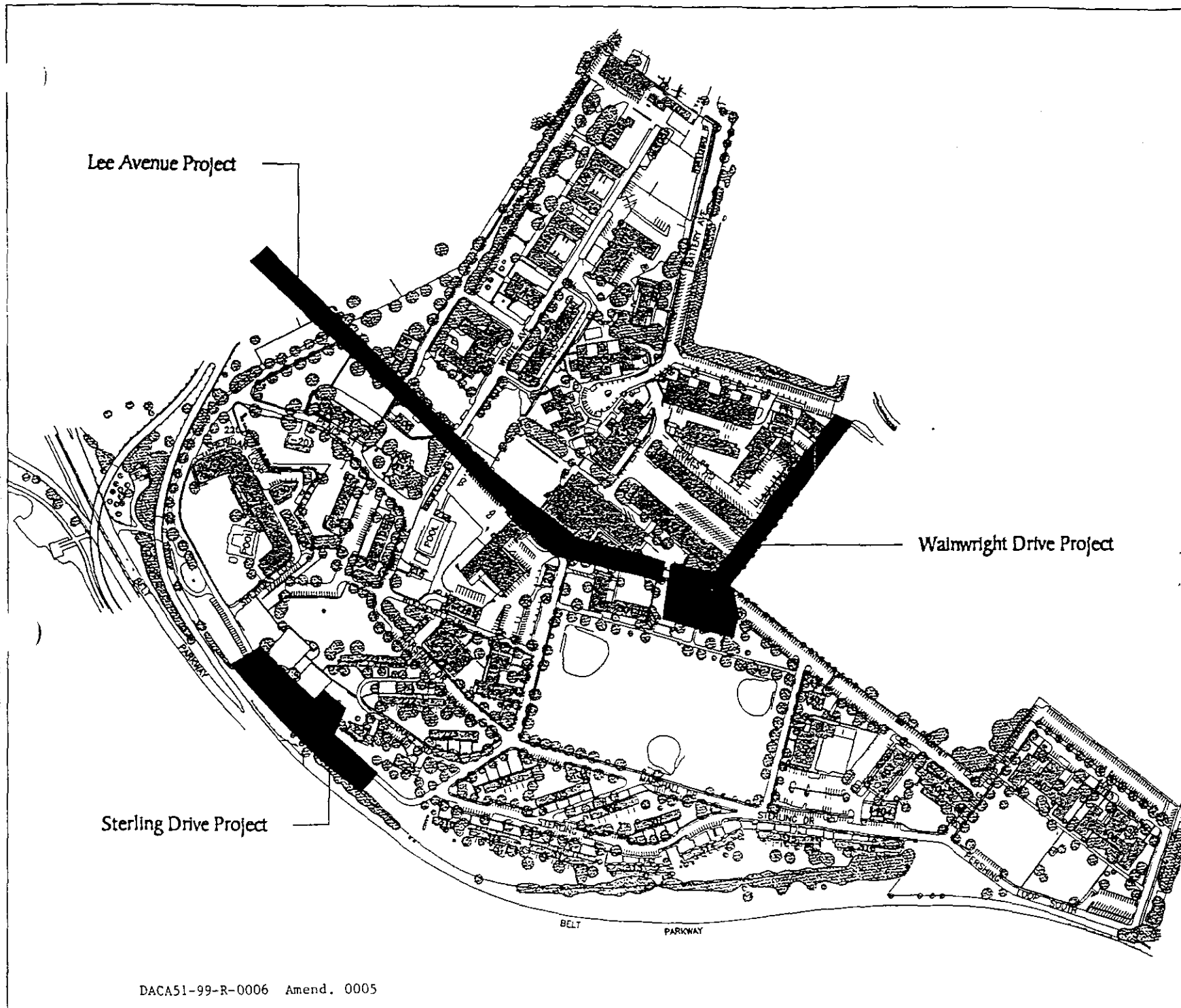


Figure 5  
Water Utility



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**Figure 6**  
**Wastewater Utility**  
**Collection System**



Buildings

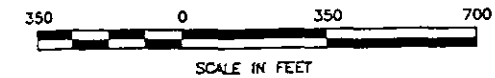


Trees and Shrubbery

Note: All trees larger than 2" caliper are identified and documented in the Fort Hamilton Tree Inventory completed in July 1996.



Proposed Landscape Project Areas

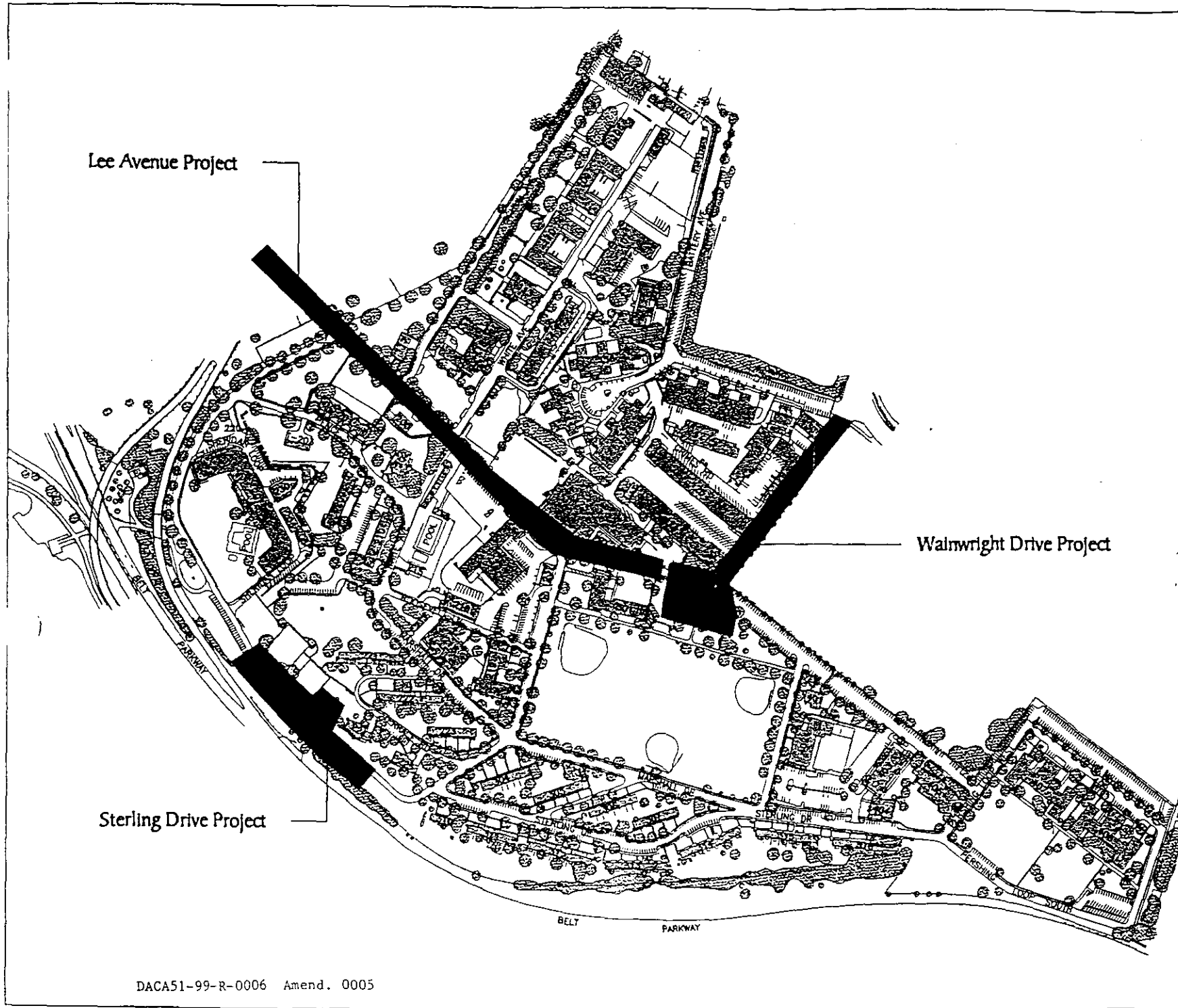


Source: New York Area Command and Fort Hamilton



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**Figure 7**  
**Vegetation &**  
**Landscaping**



Buildings



Trees and Shrubbery

Note: All trees larger than 2" caliper are identified and documented in the Fort Hamilton Tree Inventory completed in July 1996.



Proposed Landscape Project Areas



Source: New York Area Command and Fort Hamilton



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**Figure 7**  
**Vegetation &**  
**Landscaping**

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**ENVIRONMENTAL ASSESSMENT  
FOR PRIVATIZATION  
OF  
THE WASTEWATER COLLECTION SYSTEM  
FORT HAMILTON ARMY POST  
NEW YORK, NY**

**April 1, 1999**

**Prepared by:  
C. H. Guernsey & Company  
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I. PURPOSE AND NEED

The act of privatization accomplishes the divesting of ownership and responsibility for the operation, maintenance, and further development of the wastewater collection system. Under the current Army Rules, this type of action requires an environmental assessment (EA) to determine impacts associated with this action and their significance. If significant impacts are discovered, further investigation will follow in the form of an *Environmental Impact Statement* (EIS). But if no significant impacts are found, the result will be the preparation of a *Finding of No Significant Impact* (FNSI).

The need for the proposed privatization of the wastewater collection system is due to several factors affecting the installations' operations and the Army's mission, overall. The primary reasons are based on environmental compliance with local, state, and federal rules and regulations, future budget scenarios indicating that decreasing resources will be available to operate all facilities at the U.S. Department of the Army (DA), aging components of the utility systems requiring replacement due to wear and tear, and the need for increased efficiency. The inefficiency results in the consumption of additional energy at added cost, or less than optimal service to the customer. Future funding projections for the Department of Defense activities does not appear to be sufficient to address these deficiencies. In some cases the deficiencies will cause the utilities to be further out of compliance with existing or projected Federal, state, or local environmental regulations. Transfer of the utilities to private operators will create opportunities for future improvements in physical plant and operation.

II. DESCRIPTION OF THE PROPOSED ACTION

The Department of the Army is proposing the privatization of the wastewater collection utility services for Fort Hamilton Army Post (Post), Brooklyn, New York m (Figure 1). The wastewater utility system consists exclusively of a collection system and a single lift station. The installation does not own or operate any sewage treatment facilities. All sewage generated at the Post is pumped to the City of New York for treatment at five (5) connection points. The Post's wastewater system was originally installed in the 1950's and has been operated, maintained and repaired by a contractor since 1986 (Figure 2).

Privatization is defined as the transfer of ownership, responsibilities, investments, upgrade, plant replacement, continued operation and maintenance of the Army-owned utility systems to the non-Department of Defense sector. The transfer of ownership of Government-owned property is currently subject to Congressional notification and all agreements made pursuant to this notification are subject to final Congressional notification. This privatization action will be completed upon the evaluation of potential contractors not yet identified. Both the potential contractors and the DA will evaluate the feasibility of divesting the wastewater collection system. If it is in the better interest of the DA to divest the system and there is an interested and qualified contractor to claim ownership, the system discussed will be transferred according to the *Consolidated Utility Privatization RFP*, January 1999 for the privatization of utilities at Fort Hamilton, NY.

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The actual privatization of the wastewater system poses no significant threat to the environment or public health. However this type of action also focuses on the management of the utility system when and if the system is privatized. Whether the Department of Public Works (DPW) for The Post manages the system or a private contractor manages the system, the necessary upgrades or repairs are necessary in the future and the effects of these changes to the system need to be first identified and then evaluated.

### III. ALTERNATIVES

#### Alternative A/Privatization

This alternative proposes the privatization of the wastewater collection utility services to a private contractor. This contractor will be responsible for maintenance, upgrade, planning, additions, and all permits, easements, and agreements necessary between their customer and any regulatory agencies with jurisdiction over any proposed changes to the system.

#### Alternative B/No Action

This alternative proposes no change in the current ownership or operation of the wastewater utility services.

### IV. AFFECTED ENVIRONMENT

The proposed action has the possibility of impacting the environment around the collection lines. This environment in some areas includes the existing soil and geology structure, the Nationally Registered Historical Places, areas of archaeological value, past and present environmental episodes currently in mitigation, and areas that have the possibility of creating a threat to the public health.

### V. IMPACTS

#### 1. LAND USE

Currently the land occupied by the Post is primarily used for Army administration, logistics, and support services as the last active army post in the greater New York City Metropolitan area. Wastewater lines traverse the 117 acres servicing the buildings on Post. Future use of this land for the function of wastewater collection will not change as a result of proposed Army actions.

#### Alternative A

Land ownership will be different due to easement guidelines determined between the contractor and the DPW of The Post. This could have a significant impact on future actions,

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in the event of a non-agreement on ownership of the real property surrounding the wastewater collection system.

### Alternative B

With no action the ownership and land use would not change. Therefore there is no significant impact resulting for this action.

## 2. AIR QUALITY

The New York City Metropolitan area is in nonattainment for several criteria pollutants as defined under the National Ambient Air Quality Standards (EPA-August 1998, Parsons Harland Bartholomew & Associates). These criteria pollutants are sulfur dioxide, nitrous oxide, volatile organic compounds, carbon monoxide, total suspended particulates and particulate matter smaller than ten micrometers. According to the regulations, the Post is considered a minor source of air pollutant emissions and is not required to submit an annual Emission Statement to City and State authorities.

### Alternative A

With the proposed action of privatizing this service there would be no significant impact. Although there will be increases in some of the criteria pollutants during any construction to the potable wastewater collection system, carbon monoxide, particulate matter (dust, etc.) the increase is expected to be minimal.

### Alternative B

This action poses no significant impact within the project area. Although there will be increases in some of the criteria pollutants during any construction to the wastewater collection system, carbon monoxide, particulate matter (dust etc.), the increase is expected to be minimal.

## 3. WATER QUALITY/QUANTITY

The Post purchases and is delivered treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. Potable water is delivered to The Post by the City of New York City.

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Alternative A & B

In either situations proposed by the Department of the Army, there will be no impact to the quality or quantity of water supplied by the City of New York City. Nor will related projects initiated in the future cause any impacts on the current system.

4. WASTE DISPOSAL

In 1994, the Post generated approximately 2 million pounds of residential solid waste and 500,000 pounds of commercial and industrial solid waste. The Post disposes of solid waste via the services of private contractors who maintain and empty collection containers located throughout the installation. Individuals and janitorial personnel collect solid waste from activities within buildings and place it in the collection containers. The contractor removes the waste to transfer stations in the vicinity of the Post. Subsequently, the waste is carried to public and private landfills and other waste disposal sites. Recycling of office and household solid waste has been initiated at the Post. Aluminum, glass, newspaper, office paper, and plastic bottles are accumulated in special containers located in residences and in offices. A recycling contractor periodically collects these materials and removes them to commercial recycling operations off-post. Medical waste is collected at the Ainsworth Clinic and removed by a contractor for appropriate disposal off-post. Hazardous waste is removed by a Defense Reutilization and Marketing Office (DRMO) contractor (EBR-August 1998, Parsons Harland Bartholomew & Associates). See subsection 14 of this EA for specifics pertaining to hazardous waste disposal.

Alternative A

With the proposed action of privatizing this service there would be no direct impact for the project.

Alternative B

This action poses no direct impact to life or property within the project area.

5. NOISE

Typical on-post noise sources at Army installations include tank, artillery and small arms fire; helicopter flights; fixed-wing flights; and explosive ordnance detonations. However, none of these noise sources exist at the Post. In fact, noise generated at The Post is insignificant compared to the existing noise levels in the community (NYAC and Fort Hamilton, 1989).

DACA51-99-R-0006 Amend. 0005

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### Alternative A

With the proposed action of privatizing this service there would be no direct impact to life or property within the project. This is due to the fact the levels of noise reported in the 1989 study would not change solely based on who managed the wastewater system. Noise associated with the wastewater system is insignificant.

### Alternative B

This action poses no direct impact to life or property within the project area.

## 6. TRANSPORTATION

Street/Road travel through the Post is the primary form of transportation. The proposed actions by the Department of the Army will not severely impact the travel within the Post during normal operations. When construction projects are undertaken, the police department on Post will handle the necessary changes on a case by case basis ensuring travel is achieved in an orderly fashion.

### Alternative A

With the proposed action of privatizing this service there would be no direct impact to life or property within the project. Construction repair or replacement activity associated with the wastewater collection system should cause only temporary disruption to traffic on the Post.

### Alternative B

This action poses no direct impact to life or property within the project area.

## 7. IONIZING AND NON-IONIZING RADIATION

There are no ionizing or non-ionizing sources of radiation currently on Post. Proposed actions by the DA or future maintenance on the system will not cause impact of this nature.

### Alternative A

These actions pose no direct impact to life or property within the project area.

DACA51-99-R-0006 Amend. 0005

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### Alternative B

These actions pose no direct impact to life or property within the project area.

#### 8. PREHISTORIC AND HISTORIC SITES

Three of the installation's structures are listed on the National Registry of Historic Places (NRHP): Building 207, Building 220, and Building 230 (EBR-August 1998, Parsons Harland Bartholomew & Associates). Due to the proximity of the wastewater collection lines, there are potential impacts anticipated with construction activities (Figure 3).

Archeological surveys were conducted on the Post and no sites were identified. However, The Post is still considered a site of archaeological value and coordination with the New York State Historic Preservation Office (NYSHPO) is ongoing to determine if other sites are located on Post. (EBR-August 1998, Parsons Harland Bartholomew & Associates)

### Alternative A

These actions posed do not directly impact the environment or public health. However, the Cultural Resources Management Plan for the Post identifies the potential for archaeological resources (both historic and prehistoric) to be located beneath the fill that is present within the bounds of the installation. Any activities that require disturbance beneath this fill or out of the existing trenches has the potential to displace or destroy cultural resources. Therefore any construction within the Post boundaries must be cleared and confirmed through the NYSHPO prior to initiation and the DPW must be informed for the proper coordination of the project. The required method of notification is by requesting a Section 106 review for historic and archaeological sources through the NYSHPO.

### Alternative B

Under the previously stated constraints, the procedure for impact mitigation would not change based on the user. Therefore the actions would still be the same if the DA retained ownership of the wastewater system. Any wastewater system construction activities could impact NRHPs.

#### 9. UTILITIES

##### Electricity

The Post currently purchases wholesale electric power at 26.4 kV from Consolidated Edison (Figure 4). Electric Company (ConEd) at a single primary delivery voltage point near the center of the east boundary of the Installation. The Post owns and operates an electric utility distribution system consisting of: one 26.4 kV distribution substation, approximately 3.2

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circuit miles of overhead primary distribution lines and approximately 1.3 circuit miles of underground primary lines. The electrical distribution system is owned by the Post, but has been maintained and repaired by general service contractors since 1986.

### Gas

The Post currently uses Government-owned facilities to distribute natural gas within the Installation boundaries (Figure 5). The Post's natural gas distribution system operates only on the installation for services within the Post boundary. The natural gas distribution system is owned by the Post, but has been maintained and repaired by general service contractors since 1986. Natural gas is delivered by Keyspan and connects to the installation's distribution system at three (3) points. One connection point and 2 master meters are at the intersection of 101<sup>st</sup> Street and Hamilton Parkway. Another connection point and residential meters are near the intersection of Battery Avenue and Poly Place which provides natural gas to the high rise apartments; Buildings 136, 137, and 138. The third connection point and residential meter is along Poly Place and provides natural gas service to Building 135. The natural gas commodity is currently supplied through a Department of Defense (DOD) supply contract and transported to the Post distribution system by BUG/Keyspan. The Government assumes ownership on the low side of each natural gas meter/master meter at the BUG/Keyspan point connection.

### Water

The Post water distribution system consists exclusively of a water line distribution system (Figure 6). The Post purchases and is delivered treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. The wastewater collection system is owned by the Post, but has been maintained and repaired by general service contractors since 1986. Potable water is delivered to the Post by the City of New York City at three (3) locations. Double meters are located at delivery pits number one and number three, and a single meter is located at delivery pit number two.

### Alternative A

This action poses no direct impact to the public or the environment within the project area. Nor will it adversely change the service to the Post customers.

### Alternative B

This action poses no direct impact to life or property within the project area. Nor will it adversely change the service to the Post customers.



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10. SOCIOECONOMIC CHARACTERISTICS

The impact on the socioeconomic environment for the proposed project is expected to be insignificant. This is because all utility maintenance positions are currently non-governmental. Impacts will be limited to the private sector. But the divesting of the utility would require a work force to operate the utilities in order to provide the same level of service that the Army will demand.

Alternative A

This action poses minimal direct or indirect impact to the socioeconomic environment within the project area. Change in the service to the Post customers will also be minimal because the personnel necessary to meet the demand for service will continue to be supplied.

Alternative B

This action poses no direct or indirect impact to the socioeconomic environment within the project area.

11. VEGETATION

The Post's vegetation consists of common plant species which are adapted to and are characteristic of urban areas. In most areas of the installation, well established lawns and trees exist. There are no undisturbed tracts of vegetation communities remaining at the Post (US Army Corps of Engineers, March 1997).

A tree inventory was completed for the Post in July 1996. The purpose of the tree inventory and management plan was to identify the health of the tree species, the amounts of the trees, and liabilities of hazardous tree conditions. The tree inventory addresses tree care requirements for all trees over 2 inches in caliper located at The Post.

The majority of the trees at the Post include London plane (37%), pin oak (9%), Japanese black pine (8%), powering crabapple (8%), honey locust (7%), hawthorn (4%), eastern white pine (4%), and cherries (3%). Most of the shade or canopy trees are mature. Often these large trees have not been maintained or pruned over the years. Many of the large trees interfere with overhead wires (EBR-August 1998, Parsons Harland Bartholomew & Associates).

The grasses on Post are common plant species which have adapted to the surroundings. The grass and herbaceous species on Post tend to be common plant species which have adapted to constant occupation of post for the last one hundred years.

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The Post has plans for major Landscape projects in three areas: Sterling Drive, Wainwright Drive, and Lee Avenue (EBR-August 1998, Parsons Harland Bartholomew & Associates).. The wastewater collection system traverses the planned areas at different points. Maintenance/construction in these areas should be cleared with the DPW for proper coordination of each project.

As reported in the May 1998 Environmental Baseline report, the New York State Department of Environmental Conservation (NYSDEC) was requested to review the Natural Heritage Program for information indicating the presence or absence of rare, threatened or endangered species. According to correspondence dated February 27, 1998 concerning the Post there were no potential impacts to endangered, threatened, or special concern wildlife species, to rare plant, animal, or natural community occurrences, or to other significant habitats (Ms. Teresa Mackey, NY Natural Heritage Program). However, the NYSDEC urges the final evaluation be determined by an on-site investigation prior to development or construction. This is due to the nature of continued change in habitats, communities, and species and on-going research.

### Alternative A

In the event of construction or maintenance to the wastewater collection system there will be some destruction and damage to the flora and their habitat. According to the NYSHPO some of the trees on Post could be considered as structures contributing to the historic and archaeological value of the identified NRHPs. To have the trees removed or pruned, the NYSHPO require a Section 106 review in the event of disturbance. Also, the DPW requires no specific guidelines concerning the management of flora on Post, but coordination and subsequent approval for actions resulting in the destruction, pruning, or any alteration to current tree inventory is required (Mr. Peter Koutroubis, Ft. Hamilton Environmental Chief).

### Alternative B

For the purpose of construction or maintenance, the impacts for this action would be the same and would require the same mitigation procedures in Alternative A.

## 12. WILDLIFE

The existing fauna of the Post consists of common animal species adapted to and characteristic of urban areas. The area is characterized by a variety of urban fauna including rats, pigeons, sea gulls, cats, dogs, squirrels, and a variety of birds. There are no sensitive wildlife habitats at The Post (EBR-August 1998, Parsons Harland Bartholomew & Associates).

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The New York State Department of Environmental Conservation was requested to review the Natural Heritage Program for information indicating the presence or absence of rare, threatened or endangered species.

According to correspondence dated February 27, 1998 concerning the Post, there were no potential impacts to endangered, threatened, or special concern wildlife species, to rare plant, animal, or natural community occurrences, or to other significant habitats (Ms. Teresa Mackey, NY Natural Heritage Program). However, the NYSDEC urges the final evaluation be determined by an on-site investigation prior to development or construction. This is due to the nature of continued change in habitats, communities, and species and on-going research.

Alternative A & B

The proposed actions should not damage or cause destruction of the existing fauna of the Post. Therefore the impacts of these proposed alternatives should be insignificant.

13. CONSTRUCTION EFFECTS

Currently there are no plans for alterations or restoration to the land of the proposed system. Therefore impacts will be minimal. However, in the event of construction associated with repair or maintenance, construction effects to the land will be definite. Under these circumstances the impacts will need to be evaluated on a case by case bases.

14. HAZARDOUS MATERIALS

From 1992 through 1995, the Post was classified as a large quantity generator of hazardous waste. This was primarily due to UST removal from building 200, on-site gasoline station, and other clean-up activities conducted in 1991. When these tanks were removed, elevated readings of hydrocarbon vapors (from 70 to 380 parts per million) using the photo ionizing detector were found approximately 15 feet below surface grade. Once a facility generates 1,000 kg of hazardous waste in any one month, it is considered a large quantity generator for the entire calendar year. The Post has been listed as a small quantity generator since 1996. Currently, all hazardous waste generated on post is collected, removed, and disposed of properly by a contractor. There are no assigned accumulation points or storage areas (EBR-August 1998, Parsons Harland Bartholomew & Associates).

Alternatives A and B

Any activity relating to hazardous material management would in no way affect the wastewater collection system.

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15. PERMITS REQUIRED

The privatization proposed by the DA requires no permits for the transfer of ownership or maintenance. In the event of repairs or additions to the wastewater collection system, there are permits required in relation to the NRHPs and points of possible archaeological value. These permits will need to be requested and cleared through the NYSHPO. The NYSHPO requires a Section 106 review that investigates historical and archaeological value for certain sites. Along with these permits the DPW requires the prior notice of all activity on Post for the proper coordination of construction actions.

There are possibly other permits required for construction or development on Post. At the time of completion of this EA, no agreements for the transfer of underlying land existed between the Post DPW and prospective system owners. Depending on this agreement the possibility of permits requiring procedures prior to maintenance, upgrade, or replacement exist. This agreement will need to be addressed further and separate from this assessment.

The contractor is required to ensure that all applicable permits for the proper management, maintenance, and upgrade to the current system are secured prior to construction activity.

16. PUBLIC HEALTH AND SAFETY

Under any action posed by the owner/operator of the wastewater collection system the current condition of the system poses significant impacts to the public health and the environment. On occasion the wastewater collection system has surcharged when the Post experienced moderate to heavy rainfall (Peter Koutroubis, Chief Environmental Engineer, DPW, Fort Hamilton, 1999). Originally this excess flow discharged into Graves Bay, but the effluent was closed in the early to mid 1990's. Therefore with moderate to heavy rainfall, the excess exceeds the capacity of the City of New York City's collection lines and subsequently causes the Post's lift Station to surcharge.

This occurrence is a definite public and environmental health concern. Under either scenario, Alternative A or B, this will need to be addressed for compliance to the existing local or federal regulations.

17. SOILS AND GEOLOGY

The Post is located on the Atlantic Coastal Plain, which is overlain by a mixture of materials including clay, sand, gravel, and boulders. The area that includes the installation is composed of impermeable unstratified reddish sandy fill that varies in depth from 25 to 125 feet. There is some yellow loam that often covers this fill in areas mixed with boulders of varying shapes and sizes. In general, surface deposits within the Post are largely fill which covers former mud flats, sand beaches, and glacial debris. Unconsolidated sediments overlie the bedrock which consist of:

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1. An upper layer section of poorly sorted (clay, silt, sand, and gravel) sediments.
2. A section of sand and gravel of glacial origin; and
3. A lower silty clay.

Historically, an extensive wetland area was situated in the eastern portion of the Post. This wetlands area was filled with hydraulic and dry fill during the twentieth century. In addition, the marshy areas along the shore received similar fill to an elevation of 10 feet or more to support the Belt Parkway (EBR-August 1998, Parsons Harland Bartholomew & Associates).

### VI. CUMULATIVE IMPACTS

#### Current Construction

The proposed action by the DA will have no impact on current projects currently underway. In the event of future maintenance to the wastewater collection system there could be impacts that are relevant. As an example there is construction underway for the completion of a new commissary that will be located in the north corner of the Post. According to drawings supplied by the DPW, some existing lines in this area were removed as of 1984 and some remain. Therefore actions proposed by privatization could have some impact on current construction in this area. Depending on the completion of the commissary, and any maintenance activities to the wastewater collection system, there could be significant impact to each project. Situations such as these must be coordinated and approved on a case by case bases.

#### Current Environmental Episodes

Mitigation efforts are on-going at bldg. 200, the gasoline station located near the corner of Lee Avenue and Schum Avenue. There are wastewater collection lines that border the north and west sides of the bldg. 200 property. Subsurface activity in this areas could cause a cumulative impact if the remediation activity at this site has not been cleared prior to maintenance activity in this area. This impact and it seriousness is discussed in Section VII, Mitigation.

#### Landscape Plans

Landscape plans have been developed for three areas on the Post: Sterling Drive, Wainwright Drive, and Lee Avenue (Figure 7). The wastewater collection system traverses the planned areas at different points. Subsurface activity in these areas could cause cumulative impact during the initiation of the landscaping plans. Maintenance/construction in these areas should be cleared with the DPW for proper coordination of each project.

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**VII. MITIGATION**

There is no comprehensive mitigation necessary or required for the proposed actions by the DA/Fort Hamilton, but there are specific application that require attention. In the event of construction there are erosion control permits necessary for compliance to local ordinances, state and federal laws. Local authorities on the Post will also have specifics on traffic control in the event of construction. The contractor will be expected to satisfy these mitigating factors prior to construction.

In the area of the building 200 gas station located near the corner of Lee Avenue and Schum Avenue, there are on-going remediation activities and procedural requirements that must be considered in the event of any subsurface activity. Currently the site does have active USTs which were installed in 1990. In May of 1997 there were moderate levels of Benzene, Toluene, Ethyl benzene, and Xylene (BETX) identified as remaining the soil. However, it was determined that the contamination was confined and had not migrated or reached groundwater. Any construction activity on or around this site is to be coordinated not only with the DPW but also with the NYSDEC (Environmental Division, Fort Hamilton Installation Action Plan, March 1998).

As mentioned previously, the NYSHPO requires a Section 106 review that investigates historical and archaeological value for certain sites due to the lack of complete cultural information. Along with these permits the DPW requires the prior notice of all activity on Post for the proper coordination of construction actions.

The DPW requires no specific guidelines concerning the management of flora on Post, but coordination and subsequent approval for actions resulting in the destruction, pruning, or any alteration to current tree inventory is required (Mr. Peter Koutroubis, Ft. Hamilton Environmental Chief).

**VIII. LIST OF AGENCIES/PERSONS CONTACTED**

Mr. Mike Paidoussis	Director of Public Works Fort Hamilton	(718)630-4501
Mr. Peter Koutroubis	Chief of Environmental Affairs Fort Hamilton, DPW	(718)630-4485
Mr. Tom Blair	Environmental Specialist Fort Hamilton, DPW	(718)630-4485
Mr. Frank J. Schieppati	Principal Investigator Panamerican Consultants, Inc.	(800)699-1320
Mr. Julian Adams	Historic Investigator New York State	(518)237-8643 ext. 282

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Historic Preservation Office

Ms. Cathy Howe

Historic Investigator  
New York State  
Historic Preservation Office

(518)237-8643  
ext.266

Ms. Lisa Dunn

NY Economic Dev. Corp.  
Customer Service Tech.

(212)312-3771

IX. DISCLAIMER

This action of privatization poses no significant impact the Post. However the actions associated with the proper management of this utility system are numerous and very specific. Evaluations associated with each subsequent activity must be assessed on a case by case basis.

For the purpose of this Environmental Assessment (EA) all subsurface activity, construction activity, environmental remediation, and general utility maintenance was considered. Areas of particular concern were areas of cultural sensitivity, past environmental episodes, and areas containing threatened and endangered species. These and other factors were investigated and reviewed according to AR 200- 1 and 2 and the Army Environmental Managers Handbook for compliance with the National Environmental Policy Act (NEPA). Specific activities relating to future actions proposed by the Army or the private contractor must be addressed separately.

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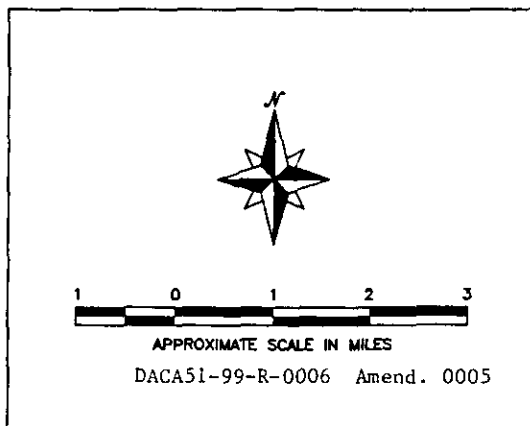
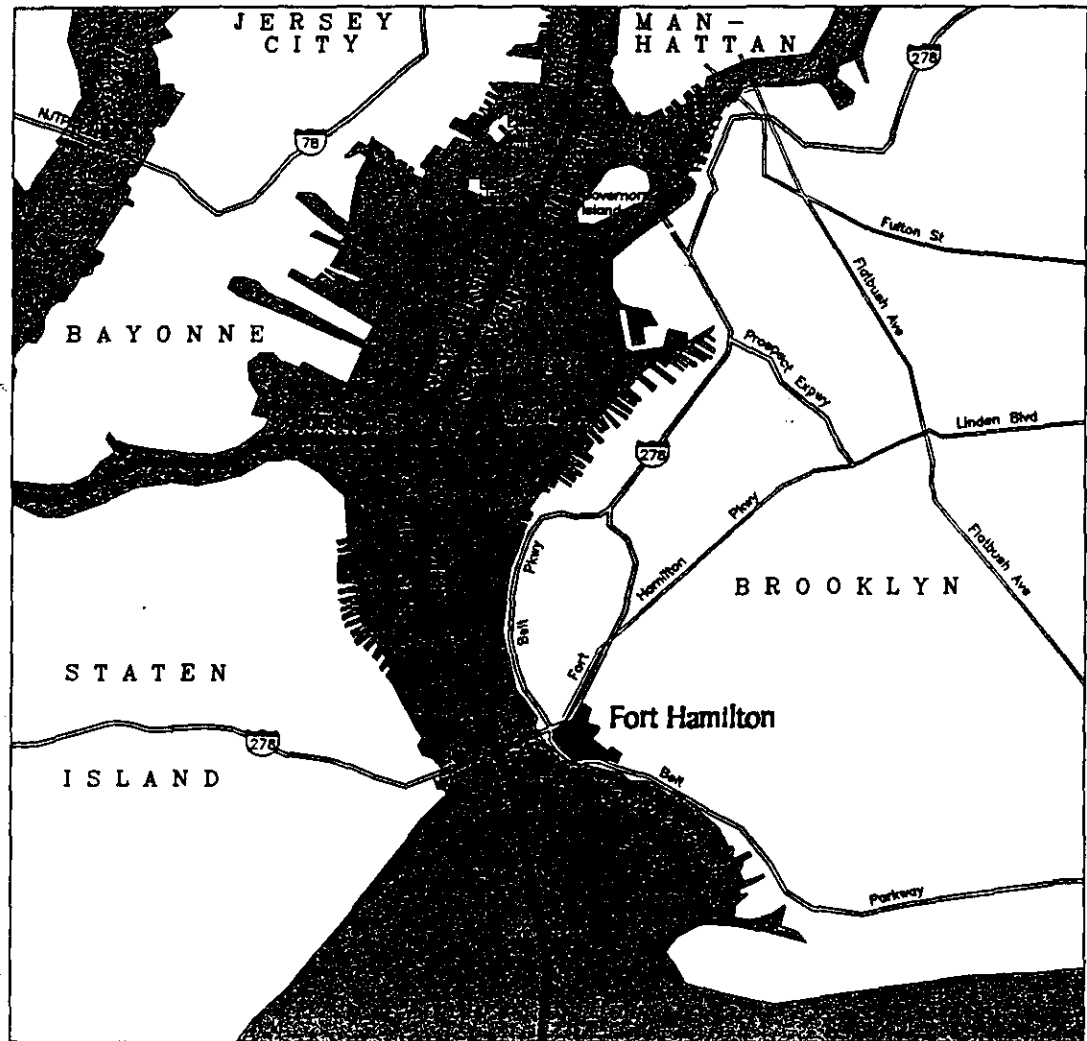
**X. CONCLUSIONS**

Based on the observations, interviews and records reviewed, it has been determined that the environmental effects of the proposed actions are not significant. However this statement must be clarified because the proposed actions involved do not incorporate maintenance/construction activity after privatization. In the event of maintenance, upgrade, replacement, there are possible impacts that could affect existing conditions. Specific conditions in their perceived levels of sensitivities are:

- 1) The three Nationally Registered Historic Places, Bldgs. 207, 220, and 230. Maintenance activity in these areas should be coordinated through the DPW and the NYSHPO. Not only for the structures but also for the archaeological value possibly contained beneath the current fill throughout the Post.
- 2) The on-going remediation activity at the existing gasoline station, Bldg. 200. Maintenance activity in this area should be coordinated through the DPW and the NYSDEC.
- 3) The periodic surcharge of the wastewater collection system requires upgrade for future compliance to public health ordinances and Federal and State laws.
- 4) In the event of construction or subsurface activity, the condition of the soils in the area must be evaluated (ie. hydrocarbon impacted). Along with evaluating the conditions of the soil, the necessary permits must be secured prior to the initiation of the activity.
- 5) Soil and erosion control procedures for all construction activity which disturbs the soil at the Post.



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**Figure 1**  
**Site Vicinity Map**

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Environmental Assessment for Privatization of the Natural Gas Distribution System  
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### I. PURPOSE AND NEED

The act of privatization accomplishes the divesting of ownership and responsibility for the operation, maintenance, and further development of the natural gas distribution system. Under the current Army Rules, this type of action requires an environmental assessment (EA) to determine impacts associated with this action and their significance. If significant impacts are discovered, further investigation will follow in the form of an *Environmental Impact Statement* (EIS). If no significant impacts are found, the result will be the preparation of a *Finding of No Significant Impact* (FNSI).

The need for the proposed privatization of the water distribution system is due to several factors affecting the installations' operations and the Army's mission, overall. The primary reasons are based on environmental compliance with local, state, and federal rules and regulations, future budget scenarios indicating that decreasing resources will be available to operate all facilities at the U.S. Department of the Army (DA), aging components of the utility systems requiring replacement due to wear and tear, and the need for increased efficiency. The inefficiency results in the consumption of additional energy at added cost, or less than optimal service to the customer. Future funding projections for the Department of Defense activities does not appear to be sufficient to address these deficiencies. In some cases the deficiencies will cause the utilities to be further out of compliance with existing or projected Federal, state, or local environmental regulations. Transfer of the utilities to private operators will create opportunities for future improvements in physical plant and operation.

### II. DESCRIPTION OF THE PROPOSED ACTION

The Department of the Army is proposing the privatization of the natural gas utility services for Fort Hamilton Army Post (Post), Brooklyn, New York (Figure 1). The Post natural gas distribution system consists of, but is not limited to looped mains following the principal roads. The natural gas distribution system consists of approximately 16,410 feet of pipe, 49 distribution valves and 46 building services. The pipe sizes are from less than two (2) inches to eight (8) inches in diameter. The utility site maps indicate a distribution pressure of six (6) to fourteen (14) pounds per square inch. The distribution piping is steel with welded joints, coated and wrapped. The distribution system is protected by a cathodic protection system. The average depth of the natural gas lines is approximately 30 inches. The majority of the distribution system was installed in the 1950s and 1960s (Figure 2).

Privatization is defined as the transfer of ownership, responsibilities, investments, upgrade, plant replacement, continued operation and maintenance of the Army-owned utility systems to the non-Department of Defense sector. The transfer of ownership of Government-owned property is currently subject to Congressional notification and all agreements made pursuant to this notification are subject to final Congressional notification. This privatization action will be completed upon the evaluation of potential contractors not yet identified. Both the potential contractors and the DA will evaluate the feasibility of divesting the natural gas distribution system. If it is in the better interest of the DA to divest the system and there is an interested and qualified contractor to claim ownership,

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the system discussed will be transferred according to the *Consolidated Utility Privatization RFP*, January 1999 for the privatization of utilities at Fort Hamilton, NY.

The actual privatization of the natural gas system poses no significant threat to the environment or public health. This type of action focuses on the management of the utility system when and if the system is privatized. Whether the Department of Public Works (DPW) for The Post manages the system or a private contractor manages the system, the necessary upgrades or repairs will be necessary in the future and the effects of these changes to the system need to be first identified and then evaluated.

### III. ALTERNATIVES

#### Alternative A/Privatization

This alternative proposes the privatization of the natural gas distribution utility services to a private contractor. This contractor will be responsible for maintenance, upgrades, planning, additions, and all permits, easements, and agreements necessary between their customers and any regulatory agencies with jurisdiction over any proposed changes to the system.

#### Alternative B/No Action

This alternative proposes no change in the current ownership or operation of the natural gas utility services.

### IV. AFFECTED ENVIRONMENT

The proposed action has the possibility of impacting the surrounding environment around the distribution lines. This environment in some areas includes the existing soil and geological structure, the Nationally Registered Historical Places, areas of archaeological value, past and present environmental episodes currently in mitigation, and areas that have the possibility of creating a threat to the public health.

### V. IMPACTS

#### 1. LAND USE

Currently the land occupied by the Post is primarily used for army administration, logistics, and support services as the last active army post in the greater New York City Metropolitan area. Natural gas lines traverse the 117 acres servicing the buildings on post. Future use of this land for the function of natural gas distribution will not change as a result of the proposed Army actions.

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### Alternative A

Land ownership will be different due to easement guidelines determined between the contractor and the DPW of the Post. This could have a significant impact on future actions, in the event of a non-agreement on ownership of the real property surrounding the natural gas distribution system.

### Alternative B

With no action the ownership and land use would not change. Therefore there is no significant impact resulting for this action.

## 2. AIR QUALITY

The New York City Metropolitan area is in nonattainment for several criteria pollutants as defined under the National Ambient Air Quality Standards (EBR-August 1998, Parsons Harland Bartholomew & Associates). These criteria pollutants are sulfur dioxide, nitrous oxide, volatile organic compounds, carbon monoxide, total suspended particulates and particulate matter smaller than ten micrometers. According to the regulations, the Post is considered a minor source of air pollutant emissions and is not required to submit an annual Emission Statement to City and State.

### Alternative A

With the proposed action of privatizing this service there would be no significant impact. Although there will be increases in some of the criteria pollutants during any construction to the natural gas distribution system, carbon monoxide, particulate matter (dust, etc.) the increase is expected to be minimal.

### Alternative B

This action poses no significant impact within the project area. Although there will be increases in some of the criteria pollutants during any construction to the natural gas distribution system, carbon monoxide, particulate matter (dust etc.), the increase is expected to be minimal.

## 3. WATER QUALITY/QUANTITY

The Post purchases treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. Potable water is delivered to the Post by the City of New York City.

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### Alternative A & B

In either situation proposed by the Department of the Army, there will be no impact to the quality or quantity of water supplied by the City of New York City. Nor will related projects initiated in the future cause any impacts on the current system.

#### 4. WASTE DISPOSAL

The Post generated approximately 2 million pounds of residential solid waste and 500,000 pounds of commercial and industrial solid waste in 1994. The Post collects and disposes of solid waste via the services of private contractors who maintain and empty collection containers located throughout the installation. Individuals and janitorial personnel collect solid waste from activities within buildings and place it in the collection containers. The contractor removes the waste to transfer stations in the vicinity of the Post. Subsequently, the waste is carried to public and private landfills and waste disposal sites. Recycling of office and household solid waste has been initiated at the Post. Aluminum, glass, newspaper, office paper, and plastic bottles are accumulated in special containers located in residences and in offices. A recycling contractor periodically collects these materials and removes them to commercial recycling operations off-post. Medical waste is collected at the Ainsworth Clinic and removed by a contractor for appropriate disposal off-post. Hazardous waste is removed by a Defense Reutilization and Marketing Office (DRMO) contractor (EBR-August 1998, Parsons Harland Bartholomew & Associates). See Subsection 14 of this EA for information pertaining to hazardous waste disposal.

#### Alternative A

There would be no direct impact for the proposed action of privatizing this service. There are no wastes associated with the natural gas distribution system.

#### Alternative B

This action poses no direct impact to life or property within the project area. There are no wastes associated with the natural gas distribution system.

#### 5. NOISE

Typical on-post noise sources at Army installations include tank, artillery and small arms fire; helicopter flights; fixed-wing flights; and explosive ordnance detonations. None of these listed noise sources exist at The Post. In fact, noise generated at the Post is insignificant compared to the existing noise levels in the community (NYAC and Fort Hamilton, 1989).

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### Alternative A & B

The proposed actions would not have a direct impact to life or property. This is due to the fact the levels of noise reported in the 1989 study would not change. Noise associated with the natural gas system is insignificant.

### 6. TRANSPORTATION

Street/Road travel through the Post is the primary form of transportation. The proposed actions by the Department of the Army will not severely impact the travel within the Post during normal operations. When construction projects are undertaken, the police department on Post will handle the necessary changes on a case by case basis ensuring travel is achieved in an orderly fashion.

#### Alternative A

With the proposed action of privatizing this service there would be no direct impact to life or property within the project. Construction repair or replacement activity associated with the natural gas distribution system should cause only temporary disruption to traffic on the Post.

#### Alternative B

This action poses no direct impact to life or property within the project area.

### 7. IONIZING AND NON-IONIZING RADIATION

There are no ionizing or non-ionizing sources of radiation currently on post. Proposed actions by the DA or future maintenance on the system will not cause impact of this nature.

#### Alternative A

These actions pose no direct impact to life or property within the project area.

#### Alternative B

These actions pose no direct impact to life or property within the project area.

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### 8. PREHISTORIC AND HISTORIC SITES

Three of the installation's structures are listed on the National Registry of Historic Places (NRHP); Building 207, Building 220, and Building 230 (EBR-August 1998, Parsons Harland Bartholomew & Associates). Due to the proximity of the natural gas distribution lines, there are potential impacts anticipated with construction activities (Figure 3).

Archeological surveys were conducted on The Post and no sites were identified. The Post is considered a site of archaeological value and coordination with the New York State Historic Preservation Office (NYSHPO). Studies are ongoing to determine if other sites are located on Post (EBR-August 1998, Parsons Harland Bartholomew & Associates).

#### Alternative A

These actions posed do not directly impact the environment or public health. The Cultural Resources Management Plan for the Post identifies the potential for archaeological resources (both historic and prehistoric) to be located beneath the fill that is present within the bounds of the installation. Any activities that require disturbance beneath this fill or out of the existing trenches has the potential to displace or destroy cultural resources. Therefore any construction within the Post boundaries must be cleared and confirmed through the NYSHPO prior to initiation and the DPW must be informed for the proper coordination of the project. The required method of notification is by requesting a Section 106 review for historic and archaeological sources through the NYSHPO.

#### Alternative B

Under the previously stated constraints, the procedure for impact mitigation would not change based on the user. Therefore the actions would still be the same if the DA retained ownership of the natural gas system. Any natural gas line construction activities could impact NRHPs.

### 9. UTILITIES

#### Electricity

The Post currently purchases wholesale electric power at 26.4 kV from Consolidated Edison Electric Company (ConEd) at a single primary delivery voltage point near the center of the east boundary of the Installation. The Post owns and operates an electric utility distribution system consisting of: one 26.4 kV distribution substation, approximately 3.2 circuit miles of overhead primary distribution lines and approximately 1.3 circuit miles of underground primary lines. The electrical distribution system is owned by the Post, but has been maintained and repaired by general service contractors since 1986 (Figure 4).

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### Water

The Post's potable water distribution system consists exclusively of a water line distribution system (Figure 6). The Post purchases and is delivered treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. The water distribution system is owned by the Post, but has been maintained and repaired by general service contractors since 1986. Potable water is delivered to the Post by the City of New York City at three (3) locations. Double meters are located at delivery pits number one and number three, and a single meter is located at delivery pit number two (Figure 5).

### Wastewater

The Post's wastewater collection utility system consists exclusively of a collection system and a single lift station (Figure 6). The Post does not own or operate any sewage treatment facilities. All sewage generated is pumped to the City of New York for treatment at five (5) connection points. The Post's wastewater collection system was originally installed in the 1950's and has been operated, maintained and repaired by a contractor since 1986.

### Alternative A & B

This action poses no direct impact to the environment or public health within the project area. Nor will it adversely change the service to the Post customers. There is a potential for some minor impacts related to new construction or maintenance activities.

## 10. SOCIOECONOMIC CHARACTERISTICS

The impact on the socioeconomic environment for the proposed project is expected to be insignificant. This is because all utility maintenance positions are currently non-governmental. Impacts will be limited to the private sector. But the divesting of the utility would require a work force to operate the utilities in order to provide the same level of service that the Army will demand.

### Alternative A

This action poses minimal direct or indirect impact to the socioeconomic environment within the project area. Change in the service to the Post customers will also be minimal because the personnel necessary to meet the demand for service will continue to be supplied.

### Alternative B

This action poses no direct or indirect impact to the socioeconomic environment within the project area.



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### 11. VEGETATION

The Post's vegetation consists of common plant species which are adapted to and are characteristic of urban areas. In most areas of the installation, well established lawns and trees exist. There are no undisturbed tracts of vegetation communities remaining at the Post (US Army Corps of Engineers, March 1997).

A tree inventory was completed for the Post in July 1996. The purpose of the tree inventory and management plan was to identify the health of the tree species, the amounts of the trees, and liabilities of hazardous tree conditions. The tree inventory addresses tree care requirements for all trees over 2 inches in caliper located at The Post.

The majority of trees at The Post include London plane (37%), pin oak (9%), Japanese black pine (8%), flowering crabapple (8%), honey locust (7%), hawthorns (4%), eastern white pine (4%), and cherries (3%). Most of the shade or canopy trees are mature. Often these large trees have not been maintained or pruned over the years. Many of the large trees interfere with overhead wires (EBR-August 1998, Parsons Harland Bartholomew & Associates).

The grass and herbaceous species on Post tend to be common plant species which have adapted to constant occupation of post for the last one hundred years.

As reported in the May 1998 Environmental Baseline report, the New York State Department of Environmental Conservation (NYSDEC) was requested to review the Natural Heritage Program for information indicating the presence or absence of rare, threatened or endangered species. According to correspondence dated February 27, 1998 concerning the Post there were no potential impacts to endangered, threatened, or special concern wildlife species, to rare plant, animal, or natural community occurrences, or to other significant habitats (Ms. Teresa Mackey, NY Natural Heritage Program). The NYSDEC urges the final evaluation be determined by an on-site investigation prior to development or construction. This is due to the nature of continued change in habitats, communities, and species and on-going research.

The Post has plans for major Landscape projects in three areas: Sterling Drive, Wainwright Drive, and Lee Avenue (EBR-August 1998, Parsons Harland Bartholomew & Associates).. The natural gas distribution system traverses the planned areas at different points. Maintenance/construction in these areas should be cleared with the DPW for proper coordination of each project.

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Alternative A

In the event of construction or maintenance to the natural gas distribution system there will be some destruction and damage to the flora and their habitat. According to the NYSHPO some of the trees on Post could be considered as structures contributing to the historic and archaeological value of the identified NRHPs. To have the trees removed or pruned, the NYSHPO requires a Section 106 review in the event of disturbance. Also, the DPW requires no specific guidelines concerning the management of flora on Post, but coordination and subsequent approval for actions resulting in the destruction, pruning, or any alteration to current tree inventory is required (Mr. Peter Koutroubis, Ft. Hamilton Environmental Chief).

Alternative B

For the purpose of construction or maintenance, the impacts for this action would be the same and would require the same mitigation procedures in Alternative A.

12. WILDLIFE

The existing fauna of the Post consists of common animal species adapted to and characteristic of urban areas. The area is characterized by a variety of urban fauna including rats, pigeons, sea gulls, cats, dogs, squirrels, and a variety of birds. There are no sensitive wildlife habitats at the Post (EBR-August 1998, Parsons Harland Bartholomew & Associates).

The New York State Department of Environmental Conservation was requested to review the Natural Heritage Program for information indicating the presence or absence of rare, threatened or endangered species. According to correspondence dated February 27, 1998 concerning the Post there were no potential impacts to endangered, threatened, or special concern wildlife species, to rare plant, animal, or natural community occurrences, or to other significant habitats (Ms. Teresa Mackey, NY Natural Heritage Program). However, the NYSDEC urges the final evaluation be determined by an on-site investigation prior to development or construction. This is due to the nature of continued change in habitats, communities, and species and on-going research.

Alternative A & B

The proposed actions should not damage or cause destruction of the existing fauna of the Post. Therefore the impacts of this proposed action should be insignificant.

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### 13. CONSTRUCTION EFFECTS

Currently there are no plans for alterations or restoration to the land of the proposed system and impacts will be minimal. In the event of construction associated with repair or maintenance, construction effects to the land will be definite and under these circumstances the impacts will need to be evaluated on a case by case bases and the necessary plans and permits secured.

### 14. HAZARDOUS MATERIALS

From 1992 through 1995, the Post was classified as a large quantity generator of hazardous waste. This was primarily due to UST removal from building 200, on-site gasoline station, and other clean-up activities conducted in 1991. When these tanks were removed, elevated readings of hydrocarbon vapors (from 70 to 380 parts per million) using the photo ionizing detector were found approximately 15 feet below surface grade. Once a facility generates 1,000 kg of hazardous waste in any one month, it is considered a large quantity generator for the entire calendar year. The Post has been listed as a small quantity generator since 1996. Currently, all hazardous waste generated on post is collected, removed, and disposed of properly by a contractor. There are no assigned accumulation points or storage areas (EBR-August 1998, Parsons Harland Bartholomew & Associates).

#### Alternatives A and B

Any activity relating to hazardous material management would not affect the natural gas distribution system.

### 15. PERMITS REQUIRED

The privatization proposed by the DA requires no permits for the transfer of ownership or maintenance. In the event of repairs or additions to the natural gas distribution system, there are permits required in relation to the NRHPs and points of possible archaeological value. These permits will need to be requested and cleared through the NYSHPO. The NYSHPO requires a Section 106 review that investigates historical and archaeological value for certain sites. Along with these permits the DPW requires the prior notice of all activity on Post for the proper coordination of construction actions.

There are possibly other permits required for construction or development on Post. At the time this EA was being developed, no agreements for the transfer of underlying land existed between the Post DPW and prospective system owners. Depending on this agreement the possibility of permits requiring procedures prior to maintenance, upgrade, or replacement exist. This agreement will need to be addressed further and separate from this assessment.

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The contractor is required to ensure that all applicable permits for the proper management, maintenance, and upgrade to the current system are secured prior to construction activity.

### 16. PUBLIC HEALTH AND SAFETY

Under any action posed by the divesting of the natural gas distribution system the current condition of the system poses no significant impact to the public health or the environment.

### 17. SOILS AND GEOLOGY

The Post is located on the Atlantic Coastal Plain, which is overlain by a mixture of materials including clay, sand, gravel, and boulders. The area that includes the installation is composed of impermeable unstratified reddish sandy fill that varies in depth from 25 to 125 feet. There is some yellow loam that often covers this fill in areas mixed with boulders of varying shapes and sizes. In general, surface deposits within the Post are largely fill which covers former mud flats, sand beaches, and glacial debris. Unconsolidated sediments overlie the bedrock which consist of:

1. An upper layer section of poorly sorted (clay, silt, sand, and gravel) sediments.
2. A section of sand and gravel of glacial origin; and
3. A lower silty clay.

Historically, an extensive wetland area was situated in the eastern portion of the Post. This wetlands area was filled with hydraulic and dry fill during the twentieth century. In addition, the marshy areas along the shore received similar fill to an elevation of 10 feet or more to support the Belt Parkway (EBR-August 1998, Parsons Harland Bartholomew & Associates).

## VI. CUMULATIVE IMPACTS

### Current Construction

The proposed action by the DA will have no impact on current projects currently underway. In the event of future maintenance/construction to the natural gas distribution system there could be impacts that are relevant. As an example, construction is underway for the completion of a new commissary that will be located in the north corner of the Post. According to 1984 Natural Gas Plans supplied by the DPW, there are existing lines in this area. None were identified for removal in this 1984 drawing, but actions proposed by privatization could have some impact on current removal, installation construction in this area. Depending on the completion of the commissary, and any maintenance activities to the natural gas distribution system, there could be significant impact to each project. Situations such as these must be coordinated and approved on a case by case bases.

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### Current Environmental Episodes

Mitigation/remediation efforts are on-going at bldg. 200, the gasoline station located near the corner of Lee Avenue and Schum Avenue. There are natural gas lines that border the north and west sides of the building 200 property. Subsurface activity in this areas could cause a cumulative impact if the remediation activity at this site has not been cleared prior to maintenance/construction activity in this area. This impact and its seriousness is discussed in Section VII, Mitigation.

### Landscape Plans

Landscape plans have been developed for three areas on the Post: Sterling Drive, Wainwright Drive, and Lee Avenue (Figure 7). The water distribution system traverses the planned areas at different points. Subsurface activity in these areas could cause cumulative impact during the initiation of the landscaping plans. Maintenance/construction in these areas should be cleared with the DPW for proper coordination of each project.

## VII. MITIGATION

There is no comprehensive mitigation necessary or required for the proposed actions by the DA/Fort Hamilton, but there are specific applications that require attention. In the event of construction there are erosion control permits necessary for compliance to local, state and federal regulations. Local authorities on the Post will also have specifics on traffic control in the event of construction. The contractor will be expected to satisfy these mitigating factors prior to construction.

In the area of the building 200 gas station located near the corner of Lee Avenue and Schum Avenue, there are on-going remediation activities and procedural requirements that must be considered in the event of any subsurface activity. Currently the site does have active USTs which were installed in 1990. In May of 1997 there were moderate levels of Benzene, Toluene, Ethyl benzene, and Xylene (BETX) identified as remaining the soil. It was determined that the contamination was confined and had not migrated or reached ground natural gas. Any construction activity on or around this site is to be coordinated not only with the DPW but also with the NYSDEC (Environmental Division, Fort Hamilton Installation Action Plan, March 1998).

As mentioned previously, the NYSHPO requires a Section 106 review that investigates historical and archaeological value for certain sites and their supporting structures due to the lack of complete cultural information. Along with these permits the DPW requires the prior notice of all activity on Post for the proper coordination of construction actions.

The DPW requires no specific guidelines concerning the management of flora on Post, but coordination and subsequent approval for actions resulting in the destruction, pruning, or any alteration to current tree inventory is required (Mr. Peter Koutroubis, Ft. Hamilton Environmental Chief).

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VIII. LIST OF AGENCIES/PERSONS CONTACTED

Mr. Mike Paidoussis	Director of Public Works Fort Hamilton	(718)630-4501
Mr. Peter Koutroubis	Chief of Environmental Affairs Fort Hamilton, DPW	(718)630-4485
Mr. Tom Blair	Environmental Specialist Fort Hamilton, DPW	(718)630-4485
Mr. Frank J. Schieppati	Principal Investigator Panamerican Consultants, Inc.	(800)699-1320
Mr. Julian Adams	Historic Investigator New York State Historic Preservation Office	(518)237-8643 ext. 282
Ms. Cathy Howe	Historic Investigator New York State Historic Preservation Office	(518)237-8643 ext.266
Ms. Lisa Dunn	NY Economic Dev. Corp.	(212)312-3771

IX. DISCLAIMER

This action of privatization poses no significant impact the Post. However the actions associated with the proper management of this utility system are numerous and very specific. Evaluations associated with each subsequent activity must be assessed on a case by case basis.

For the purpose of this Environmental Assessment, all subsurface activity, construction activity, environmental remediation, and general utility maintenance was considered. Impacts were investigated and reviewed according to AR 200- 1 and 2 and the Army Environmental Managers Handbook for compliance with the National Environmental Policy Act (NEPA). Specific activities relating to future action proposed by the Army or the private contractor must be addressed separately.

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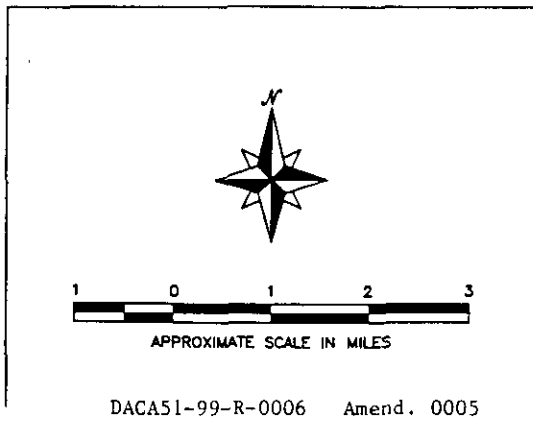
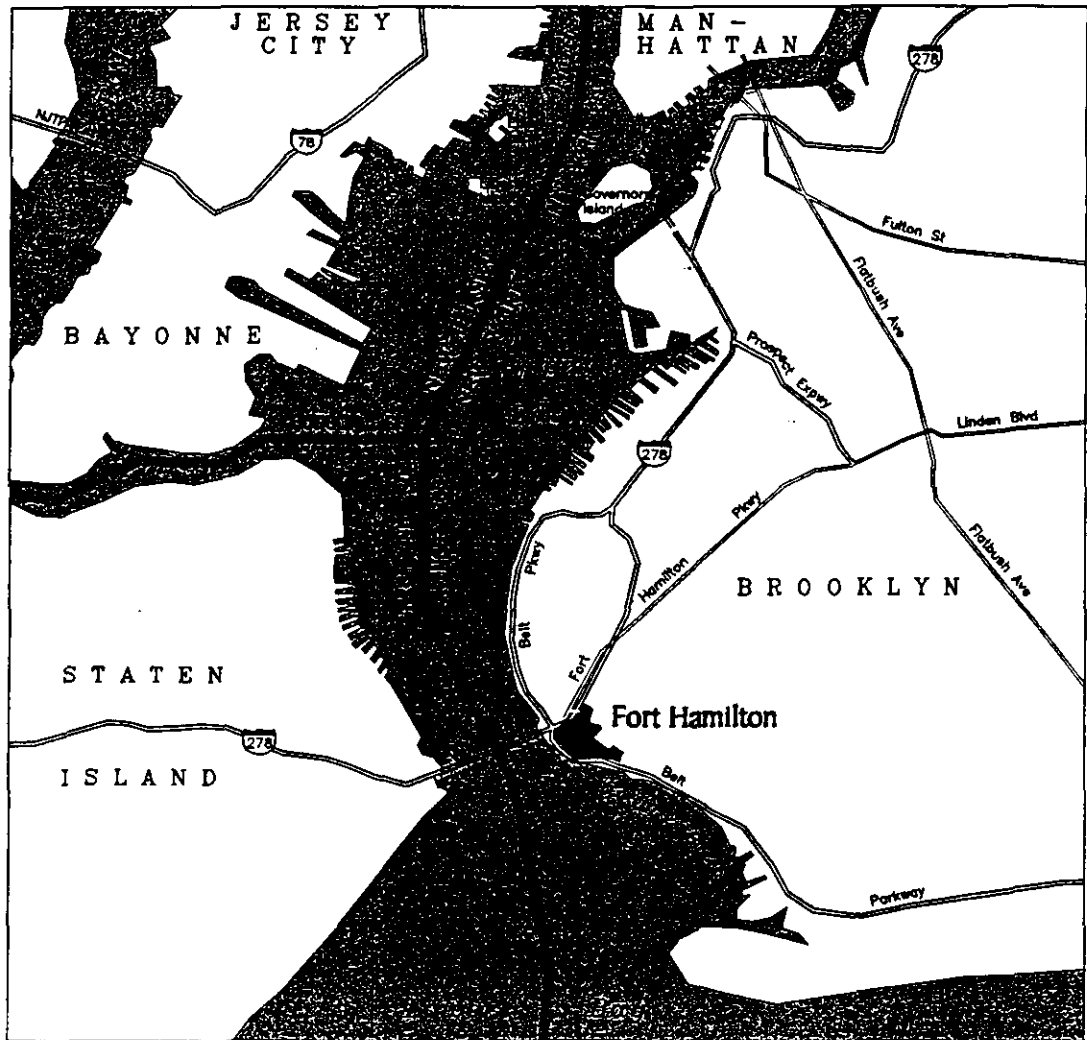
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X. CONCLUSIONS

Based on the observations, interviews and records reviewed, it has been determined that the environmental effects of the proposed actions are not significant. However this statement must be clarified because the proposed actions involved do not incorporate maintenance/construction activity after privatization. In the event of maintenance, upgrade, or replacement, there are possible impacts that could affect existing conditions. Specific conditions in their perceived levels of sensitivities are:

- 1) The three Nationally Registered Historic Places, Bldgs. 207, 220, and 230. Maintenance activity in these areas should be coordinated through the DPW and the NYSHPO. Not only for the structures but also for the archaeological value possibly contained beneath the current fill throughout the Post and contributing vegetation near the NRHPs.
- 2) The on-going remediation activity at the existing gasoline station, building 200. Maintenance activity in this area should be coordinated through the DPW and the NYSDEC.
- 3) In the event of construction or subsurface activity, the condition of the soils in the area must be evaluated (ie. hydrocarbon impacted). Along with evaluating the conditions of the soil, the necessary permits must be secured prior to the initiation of the activity.
- 4) Soil and erosion control procedures for all construction activity which disturbs the soil at the Post.

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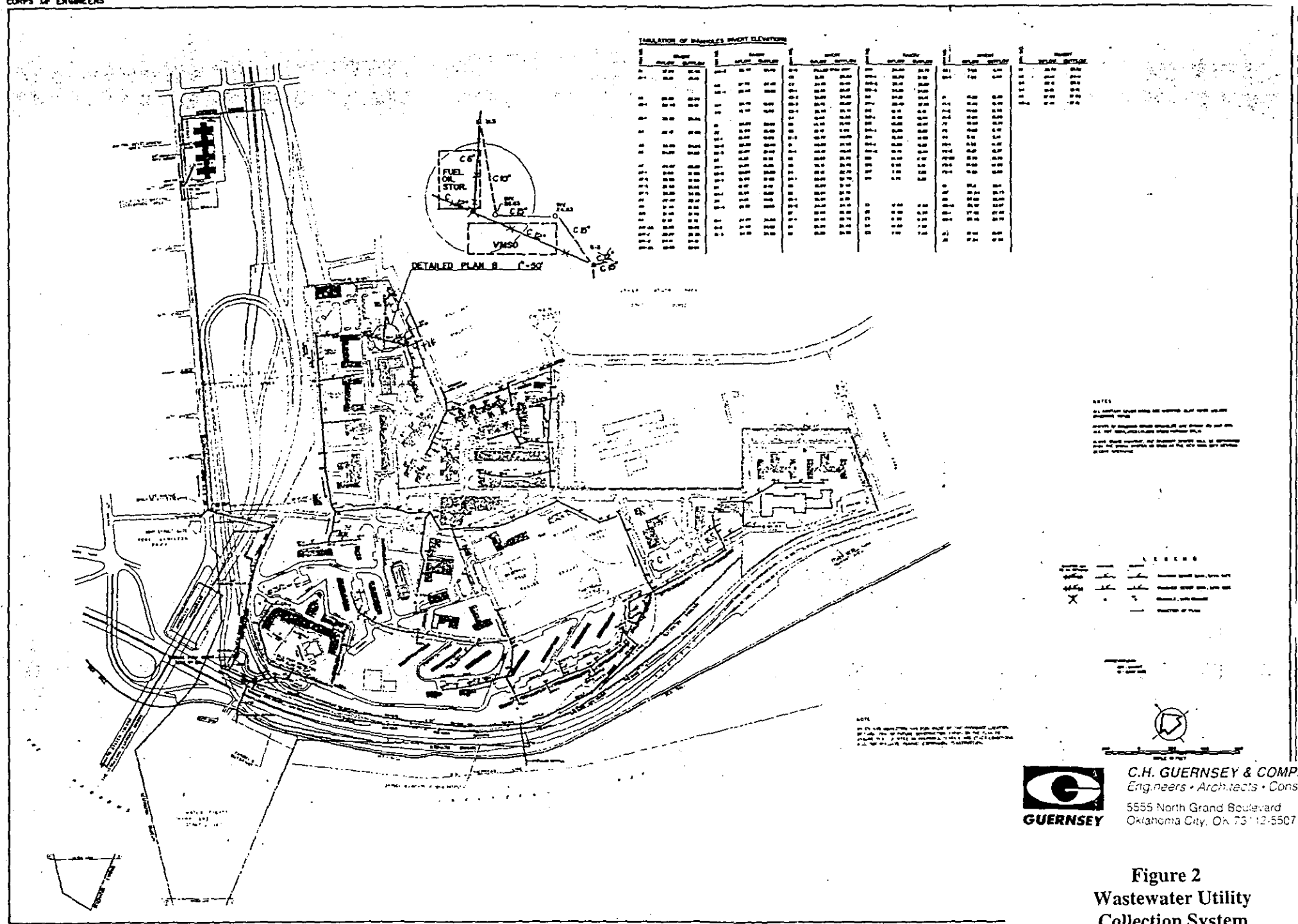


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**Figure 1**  
**Site Vicinity Map**

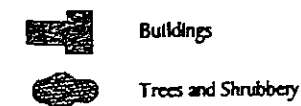
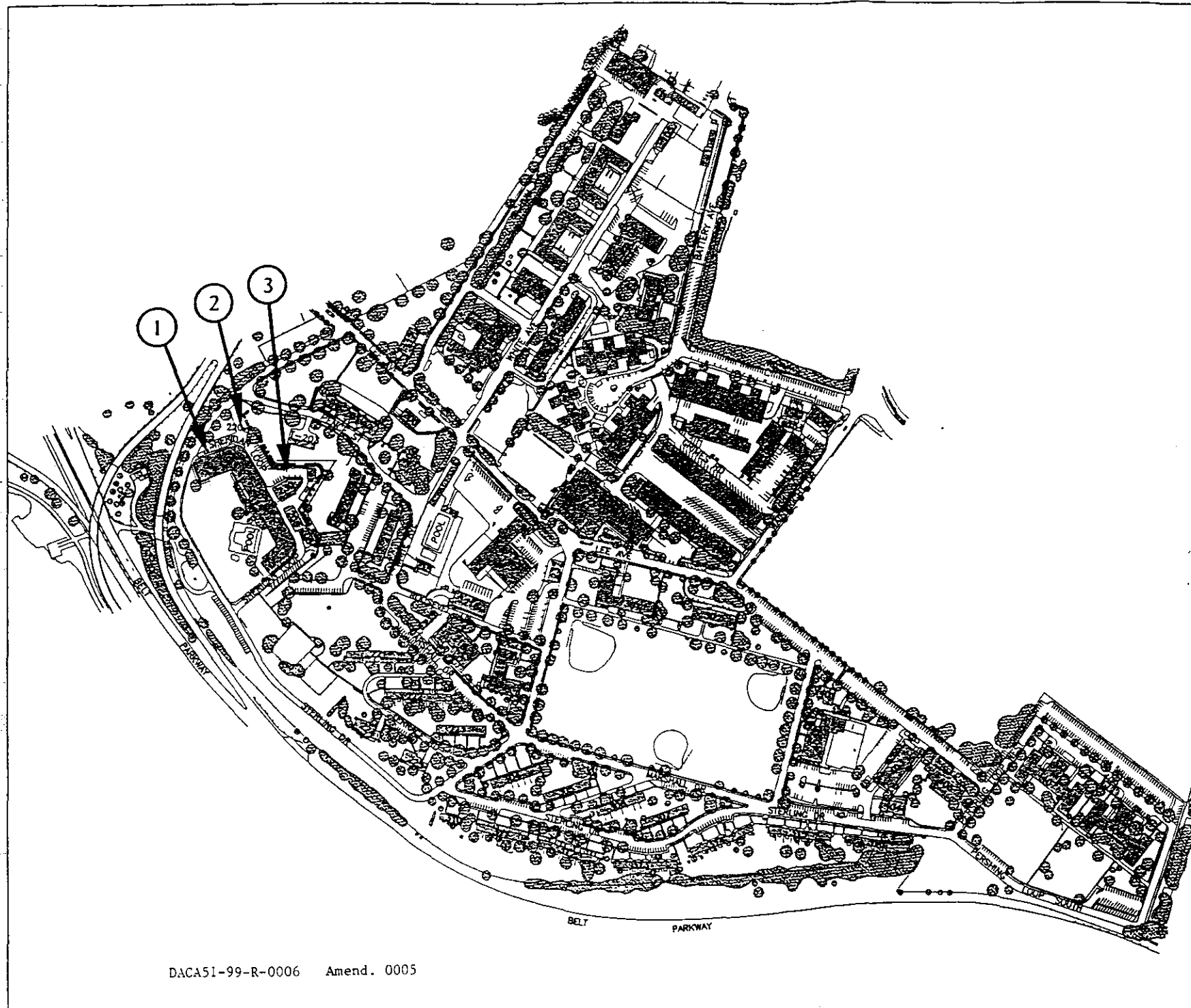


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**Figure 2**  
**Wastewater Utility**  
**Collection System**



# Facilities Listed on National Register of Historic Places

- 1 Bldg 207, Old Casemate Fort (Community Club)
- 2 Bldg 220, Sentry Station
- 3 Bldg 230, Museum



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SCALE IN FEET

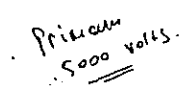
Source: New York Area Command and Fort Mifflin NRHP, June 30, 1973.



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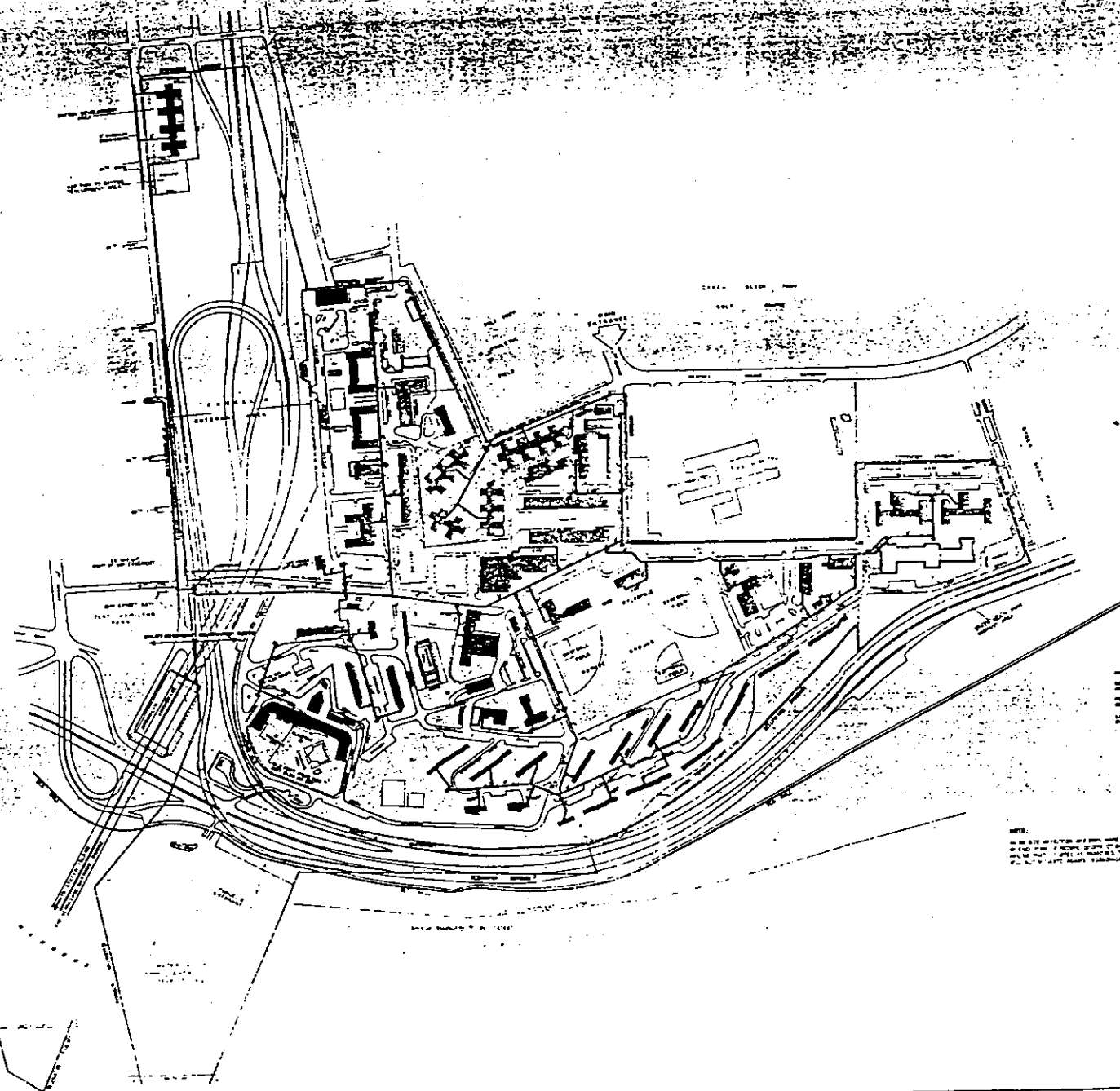
**Figure 3**  
**Cultural Resources**

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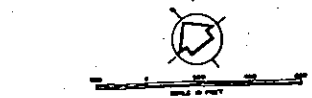
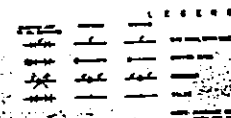


## NOTES

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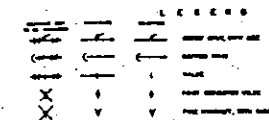
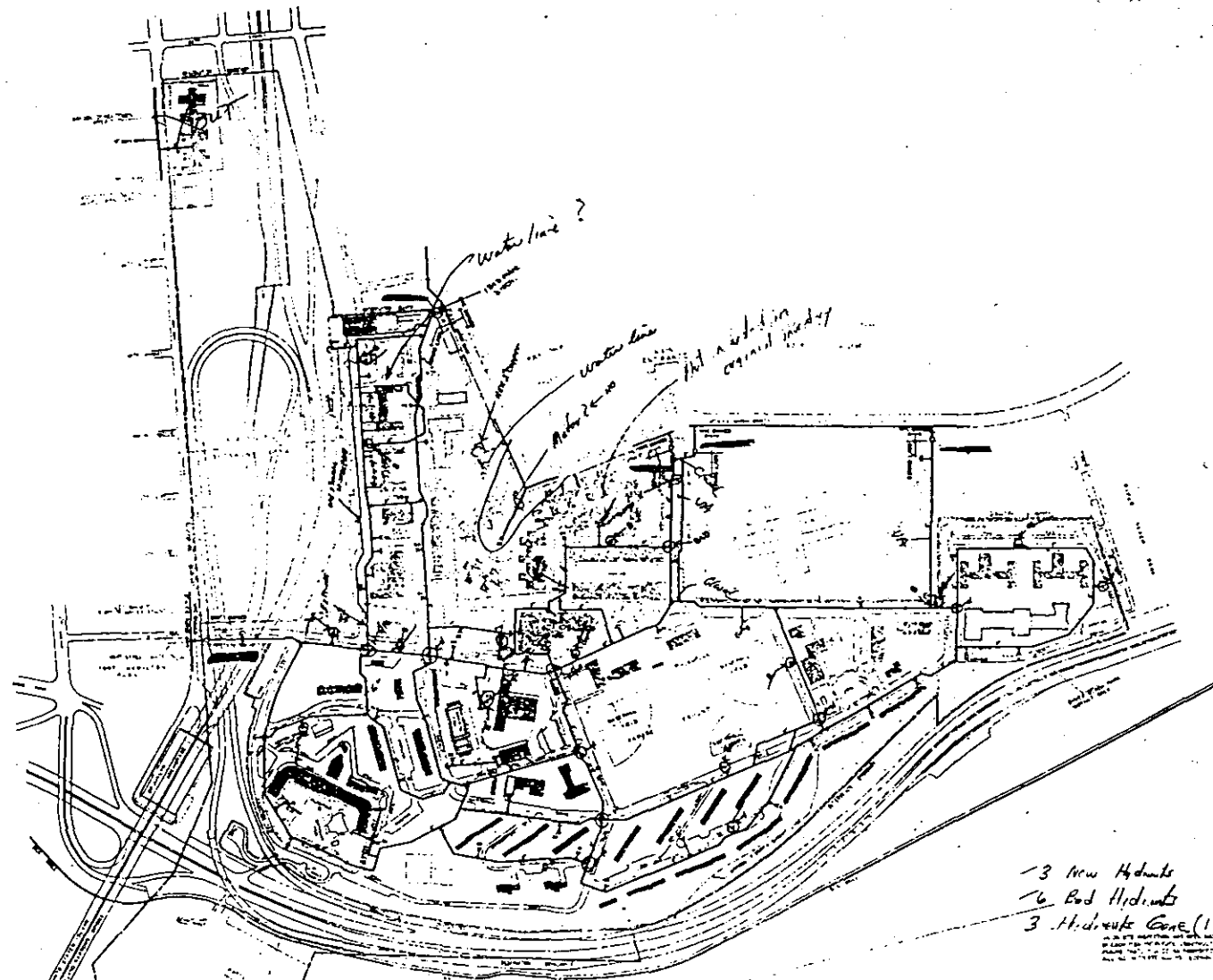


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**Figure 5**  
**Natural Gas Utility**  
**Collection System**

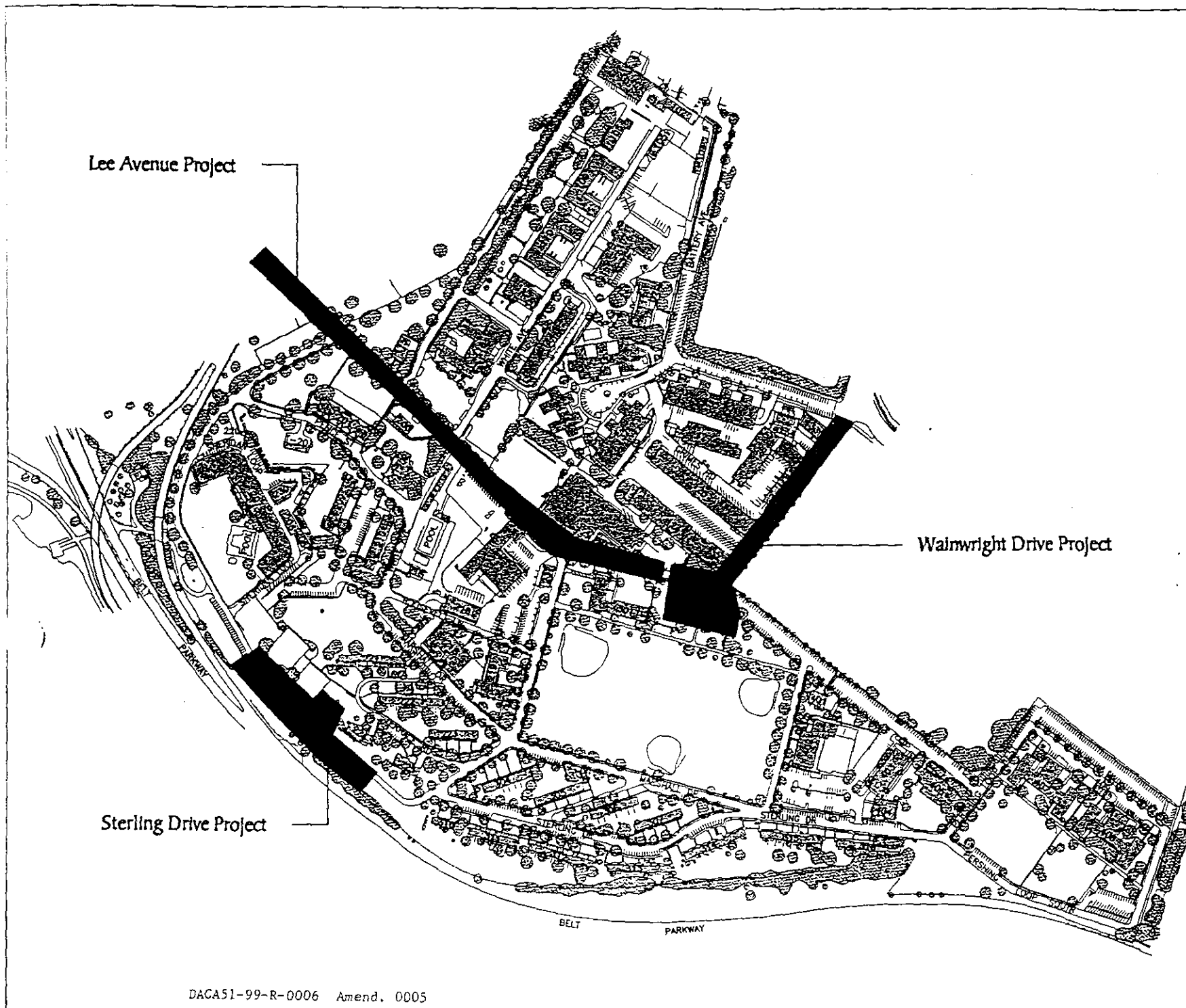
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**Figure 6**  
**Water Utility**  
**Distribution System**



Buildings



Trees and Shrubbery

Note: All trees larger than 2" caliper are identified and documented in the Fort Hamilton Tree Inventory completed in July 1996.



Proposed Landscape Project Areas



Source: New York Area Command and Fort Hamilton



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**Figure 7**  
**Vegetation &**  
**Landscaping**

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**ENVIRONMENTAL ASSESSMENT  
FOR PRIVATIZATION  
OF  
THE ELECTRIC UTILITY SYSTEM  
FORT HAMILTON ARMY POST  
BROOKLYN, NY**

**April 1, 1999**

**Prepared by:  
C. H. GUERNSEY & COMPANY  
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**XI. FIGURES**

1. Site Map
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### I. PURPOSE AND NEED

The act of privatization accomplishes the divesting of ownership and responsibility for the operation, maintenance, and further development of the electric utility system. Under the current Army Rules, this type of action requires an environmental assessment to determine impacts associated with this action and their significance. If significant impact is discovered, further investigation will follow in the form of an *Environmental Impact Statement* (EIS). But if no significant impact is found, the result will be the preparation of a *Finding of No Significant Impact* (FNST).

The need for the proposed privatization of the electric utility system is due to several factors affecting the installations' operations and the Army's mission, overall. The primary reasons are based upon environmental compliance with local, state, and federal rules and regulations, future budget scenarios indicating that decreasing resources will be available to operate all facilities at U.S. Department of the Army (DA) aging components of the utility systems requiring replacement due to normal wear and tear, and the need for increased efficiency. This inefficiency results in the consumption of additional energy and the associated added cost, or less than dependable service to the customer. Future funding projections for the Department of Defense activities do not appear to be sufficient to address these deficiencies. In some cases the deficiencies will cause the utilities to be further out of compliance with existing or projected Federal, state, or local environmental regulations. Transfer of the utilities to private operators will create opportunities for future improvements in the system's dependability and operation.

### II. DESCRIPTION OF THE PROPOSED ACTION

The Department of the Army is proposing the privatization of the electric utility services for Fort Hamilton Army Post (Post), Brooklyn, New York (Figure 1). The electrical distribution system consists of electric power at 26.4 kV from Consolidated Edison Electric Company (ConEd) at a single primary delivery voltage point near the center of the east boundary of the Installation. The Post owns and operates an electric utility distribution system consisting of: one 26.4 kV distribution substation, approximately 3.2 circuit miles of overhead primary distribution lines and approximately 1.3 circuit miles of underground primary lines. The electrical distribution system is owned by the Post, but has been maintained and repaired by general service contractors since 1986.

Privatization is defined as the transfer of ownership, responsibilities, investments, upgrade, plant replacement, continued operation and maintenance of the Army-owned utility systems to the non-Department of Defense sector. The transfer of ownership of Government-owned property is currently subject to Congressional notification and all agreements made pursuant to this notification are subject to final Congressional notification. This privatization action will be completed upon the evaluation of potential contractors not yet identified. Both the potential contractors and the DA will evaluate the feasibility of divesting the electric utility system. If it is in the best interest of the DA to divest the system and there is an interested and qualified contractor to claim ownership, the system discussed will be transferred according to the *Consolidated Utility Privatization RFP*, January 1999, for the privatization of utilities at Fort Hamilton, NY.

The actual privatization of the electric system poses no significant threat to the environment or public health. However this type of action also focuses on the management of the utility system when and if

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the system is privatized. Whether the Department of Public Works (DPW) for the Post manages the system or a private contractor manages the system, the necessary upgrades or repairs are necessary in the future and the effects of these changes to the system need to be identified and then evaluated.

III. ALTERNATIVES

Alternative A/Privatization

This alternative proposes the privatization of the electric utility services to a private contractor. This contractor will be responsible for maintenance, upgrade, planning, additions, and all permits, easements, and agreements necessary between their customer and any regulatory agencies with jurisdiction over any proposed changes to the system.

Alternative B/No Action

This alternative proposes no change in the current ownership or operation of the electric utility services.

IV. AFFECTED ENVIRONMENT

The proposed action has the possibility of impacting the general environment around the distribution lines. This environment includes the existing soil and geology structure, the Nationally Registered Historical Places, areas of archaeological value, past and present environmental episodes currently in mitigation or remediation, and areas that have the possibility of creating a threat to the public health.

V. IMPACTS

1. LAND USE

Currently the land occupied by the Post is primarily used for Army administration, logistics, and support services as the last active army post in the greater New York City Metropolitan area. Electric distribution lines traverse the 117 acres servicing the buildings on Post. Future use of this land for the function of electric distribution will not change as a result of proposed Army actions.

Alternative A

Land ownership will be different due to easement guidelines negotiated between the contractor and the DPW of Fort Hamilton. This could have a significant impact on future actions, in the event of a non-agreement on ownership of the real property surrounding the electric distribution system.

Alternative B

With no action the ownership and land use would not change. Therefore there is no significant impact resulting for this action.

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2. AIR QUALITY

The New York City Metropolitan area is in non-attainment for several criteria pollutants as defined under the National Ambient Air Quality Standards (EPA-August 1998, Parsons Harland Bartholomew & Associates). These criteria pollutants are sulfur dioxide, nitrous oxide, volatile organic compounds, carbon monoxide, total suspended particulates and particulate matter smaller than ten micrometers (PM<sub>10</sub>). According to the regulations, the Post is considered a minor source of air pollutant emissions and is not required to submit an Annual Emission Statement to City or State Agencies.

Alternative A

There would be no direct impact to life or property with the proposed action of privatizing this service. Although there will be increases in some of the criteria pollutants (carbon monoxide, particulate matter, fugitive dust, etc.) during any maintenance or construction to the electric distribution system, the increase is expected to be minimal.

Alternative B

This action poses no direct impact to life or property within the project area. Although there will be increases in some of the criteria pollutants (carbon monoxide, particulate matter, fugitive dust, etc.) during any maintenance or construction to the electric distribution system, the increase is expected to be minimal.

3. WATER QUALITY/QUANTITY

The Post purchases treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. Potable water is delivered to the Post by the City of New York City.

Alternative A

The proposed actions by the Department of the Army will impact neither the quality nor quantity of water supplied by the City of New York City. Nor will related projects initiated in the future cause any impacts on the current system.

Alternative B

This action poses no direct impact to life or property within the project area. Nor will related projects initiated in the future cause any impacts on the current system.

4. WASTE DISPOSAL

The Post generated approximately 2 million pounds of residential solid waste and 500,000 pounds of commercial and industrial solid waste in 1994. The Post collects and disposes of solid waste via the services of private contractors who maintain and empty collection

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containers located throughout the installation. Individuals and janitorial personnel collect solid waste from activities within buildings and place it in the collection containers. The contractor removes the waste to transfer stations in the vicinity of the Post. Subsequently, the waste is carried to public and private landfills and waste disposal sites. Recycling of office and household solid waste has been initiated at the Post. Aluminum, glass, newspaper, office paper, and plastic bottles are accumulated in special containers located in residences and in offices. A recycling contractor periodically collects these materials and removes them to commercial recycling operations off-post. Medical waste is collected at the Ainsworth Clinic and removed by a contractor for appropriate disposal off-post. Hazardous waste is removed by a Defense Reutilization and Marketing Office (DRMO) contractor (EBR-August 1998, Parsons Harland Bartholomew & Associates). See Subsection 14 of this EA for information pertaining to hazardous waste disposal.

Alternative A

There would be no direct impact for the proposed action of privatizing this service. There are no wastes associated with the electric distribution system.

Alternative B

This action poses no direct impact to life or property within the project area. There are no wastes associated with the electric distribution system.

5. NOISE

Typical on-post noise sources at Army installations include tank, artillery and small arms fire; helicopter flights; fixed-wing flights; and explosive ordnance detonations. However, none of these noise sources exist at the Post. In fact, noise generated at the Post is insignificant compared to the existing noise levels in the community (NYAC and Fort Hamilton, 1989).

Alternative A

Based upon a 1989 Noise Level Study, there would be no direct impact to life or property with the proposed action of privatizing this service. Noise associated with the electric utility system is insignificant and would not change due to a change in who manages the electric utility systems.

Alternative B

This action poses no direct impact to life or property within the project area. Noise associated with the electric utility system is insignificant and would not change due to a change in who manages the electric utility systems.

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6. TRANSPORTATION

Street/Road travel is the primary form of transportation through the Post. The proposed actions by the Department of the Army will not severely impact the travel within the Post during normal operations. The police department on Post will handle any required changes to insure traffic flows in an orderly fashion, when construction projects are undertaken.

Alternative A

There would be no direct impact to life or property with the proposed action of privatizing this service. Construction repair or replacement activity associated with the electric utility system should cause only temporary disruption to traffic on the Post.

Alternative B

This action poses no direct impact to life or property within the project area. Construction repair or replacement activity associated with the electric utility system should cause only temporary disruption to traffic on the Post.

7. IONIZING AND NON-IONIZING RADIATION

There are no ionizing or non-ionizing sources of radiation currently on post. Proposed actions by the DA or future maintenance on the system will not cause impact of this nature.

Alternative A

These actions pose no direct impact to life or property within the project area.

Alternative B

These actions pose no direct impact to life or property within the project area.

8. PREHISTORIC AND HISTORIC SITES

Three of the installation's structures are listed on the National Registry of Historic Places (NRHP); Building 207, Building 220, and Building 230 (EBR-August 1998, Parsons Harland Bartholomew & Associates). Due to the proximity of the electric utility lines, there are limited potential impacts anticipated with construction activities (Figure 3).

Archaeological surveys conducted on the Post identified no significant site. However, the Post is still considered a site of potential archaeological value and coordination with the New York State Historic Preservation Office (NYSHPO) is ongoing to determine if other sites are located on Post. (EBR-August 1998, Parsons Harland Bartholomew & Associates)

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Alternative A

These actions do not directly impact the environment or public health. However, the Cultural Resources Management Plan for the Post identifies the potential for archaeological resources, both historic and prehistoric. Any activities that require disturbance beneath this fill or to the existing trees has the potential to displace or destroy cultural resources. Therefore any construction on the Post must be cleared and confirmed through the NYSHPO prior to initiation and the DPW must be informed for the proper coordination of the project. This notification requires requesting a Section 106 review for historic and archaeological sources.

Alternative B

Under the previously stated constraints, the procedure for impact mitigation would not change based on the user. Therefore the actions would still be the same if the DA retained ownership of the electric utility system. Any electric utility line construction activities could impact NRHPs.

9. UTILITIES

Water

The Fort Hamilton potable water distribution system consists exclusively of a water line distribution system (Figure 6). Fort Hamilton purchases and is delivered treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. The water distribution system is owned by Fort Hamilton, but has been maintained and repaired by general service contractors since 1986. Potable water is delivered to Fort Hamilton by the City of New York City at three (3) locations. Double meters are located at delivery pits number one and number three, and a single meter is located at delivery pit number two.

The potable water distribution lines from the three delivery points are cast iron except where replacements have been made of ductile iron. There are approximately 31,000 feet of water lines in the distribution system. Water system pressure is approximately 78 pounds per square inch on average but ranges between 55 to 90 pounds per square inch. There are no elevated water storage tanks on the Installation. There are approximately 56 fire hydrants. The potable water distribution system was constructed in the 1950's and late 1960's with limited replacements since. It is estimated that the annual potable water usage at Fort Hamilton is 80.0 million gallons. The daily population on base is approximately 3,750 people.

Gas

The Post currently uses Government-owned facilities to distribute natural gas within the Installation boundaries (Figure 5). The Post's natural gas distribution system operates only on the installation for services within the Post boundary. The natural gas distribution system is owned by the Post, but has been maintained and repaired by general service contractors

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since 1986. Natural gas is delivered by Keyspan and connects to the installation's distribution system at three (3) points. One connection point and 2 master meters are at the intersection of 101<sup>st</sup> Street and Hamilton Parkway. Another connection point and residential meters are near the intersection of Battery Avenue and Poly Place which provides natural gas to the high rise apartments; Buildings 136, 137, and 138. The third connection point and residential meter is along Poly Place and provides natural gas service to Building 135. The natural gas commodity is currently supplied through a Department of Defense (DOD) supply contract and transported to the Post distribution system by BUG/Keyspan. The Government assumes ownership on the low side of each natural gas meter/master meter at the BUG/Keyspan point connection.

Wastewater

The Post wastewater distribution utility system consists exclusively of a collection system and a single lift station (Figure 6). The Post does not own or operate any sewage treatment facilities. All sewage generated is pumped to the City of New York for treatment at five (5) connection points. The Post's wastewater collection system was originally installed in the 1950's and has been operated, maintained and repaired by a contractor since 1986.

Alternative A

This action poses no direct impact to the environment or public health within the project area. It will not adversely change the service to the Post customers. There is a potential for some minor impacts related to new construction or maintenance activities.

Alternative B

This action poses no direct impact to environment or public health within the project area.

10. SOCIOECONOMIC CHARACTERISTICS

The socioeconomic impact of the proposed project is expected to be negligible because all utility maintenance positions are currently non-governmental. Any impacts will be limited to the those contractors. The divesting of the electric utility service will require a work force to maintain and operate the system at the same level of service that the Army requires.

Alternative A

The socioeconomic impacts within the project area poses minimal direct or indirect impact. Any change in the service to the Post customers will also be minimal because the service personnel necessary to provide at least the current level of effort will be supplied by the utility company selected.

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Alternative B

This action poses no direct or indirect impact to the socioeconomic environment within the project area.

11. VEGETATION

The Post's vegetation consists primarily of common plant species which are adapted to and are characteristic of urban areas. In most areas of the installation, well established lawns and trees exist. There are no undisturbed tracts of vegetation communities remaining at the Post (US Army Corps of Engineers, March 1997).

A tree inventory was completed for the Post in July, 1996. The tree inventory included a management plan to identify the health of the tree species, the density and diversity of the trees species, and any potential liabilities associated with the trees. The tree inventory addresses tree care requirements for all trees over 2 inches in caliper located on the Post.

The predominant tree species observed at Fort Hamilton include London plane tree (37%), pin oak (9%), Japanese black pines (8%), flowering crabapple (8%), honey locust (7%), hawthorn (4%), eastern white pine (4%), and cherry (3%). Many of the large mature trees have not been maintained or pruned over the years and interfere with overhead power lines (EBR-August 1998, Parsons Harland Bartholomew & Associates).

The grass and herbaceous species on Post tend to be common plant species which have adapted to constant occupation of post for the last one hundred years.

As reported in the May, 1998 Environmental Baseline report, the New York State Department of Environmental Conservation (NYSDEC) reviewed the Natural Heritage Program for information indicating the presence of rare, threatened or endangered species. According to correspondence dated February 27, 1998, there were no identified potential impacts to endangered, threatened, or special concern plant or wildlife species. They found no native community or other critical habitats (Ms. Teresa Mackey, NY Natural Heritage Program). However, the NYSDEC urges a final evaluation by an on-site investigation prior to development or construction to consider changes in habitats, communities, species and associated on-going research.

Alternative A

There will be some damage to the flora and associated habitat as construction or maintenance is required for the electric distribution system. According to the NYSHPO some of the trees on Post could contribute to the historic and archaeological value of the identified NRHPs. The NYSHPO require a Section 106 review in the event of pruning, removal, or other maintenance to these trees. Although DPW has no specific guidelines concerning the management of flora on Post, coordination and subsequent approval for actions resulting in the destruction, pruning, or any alteration to current tree inventory is required (Mr. Peter Koutroubis, Ft. Hamilton Environmental Chief).

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Alternative B

For the purpose of construction or maintenance, the impacts for this action would be the same and would require the same mitigation procedures in Alternative A.

12. WILDLIFE

Except for some bird species and squirrels, the native fauna at the Post has been replaced by animal species adapted to and characteristic of urban areas. This includes rodents, feral cats and dogs, and a variety of bird species. There are no identified sensitive wildlife habitats at the Post (EBR-August 1998, Parsons Harland Bartholomew & Associates).

Alternative A

Since few native species are present, the proposed action should not damage or cause destruction of the existing fauna of Fort Hamilton. There are no expected direct or indirect impacts on the existing animal population of the Fort Hamilton.

Alternative B

This action poses no direct or indirect risks to life or property within the project area. There are no expected direct or indirect impacts on the existing animal population of the Fort Hamilton.

13. CONSTRUCTION EFFECTS

There are no known plans for alterations or restoration to the land of the electric utility system. Therefore impacts will be minimal. In the event of construction associated with repair or maintenance there will definitely be impacts to the surrounding area. Under these circumstances, the impacts will need to be evaluated on an individual basis. The impact of construction activities for all environmental components are specifically addressed in each section.

14. HAZARDOUS MATERIALS

From 1992 through 1995, Fort Hamilton was classified as a large quantity generator of hazardous waste. This was primarily due to a UST removal program which included tanks from Building 200, an on-site gasoline station, and other clean-up activities conducted in 1991. From a regulatory view point, the level of subsurface contamination was hazardous according to the Resource Conservation And Recovery Act and the quantities excavated made the Post a large quantity hazardous waste generator. Since 1996, the Post has been a small quantity generator. Currently, all hazardous waste generated on post is collected, removed, and disposed properly by a contractor. There are no assigned accumulation points or storage areas (EBR-August 1998, Parsons Harland Bartholomew & Associates).

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Alternatives A and B

There are no suspected impacts with the hazardous waste management for the Post. However, any construction associated with the electric utility system in the area of Building 200 should be thoroughly reviewed prior to the onset of construction activities.

15. PERMITS REQUIRED

The privatization proposed by the DA requires no permits for the transfer of ownership or maintenance. In the event of repairs or additions to the electric distribution system, there are permits required in relation to the NRHPs and points of possible archaeological value. These permits will need to be requested and issued through the NYSHPO. The NYSHPO requires a Section 106 review that documents historical and archaeological value for specific sites. Along with these permits, the DPW requires the prior notice of all activity on Post for the proper coordination of construction actions.

It is possible there are other permits required for construction or development on Post. At the time of completion of this EA development, no agreements for the transfer of easements or right-of-way exists between the Post DPW and prospective system owners. Depending on this agreement, other permits may be required prior to maintenance, upgrade, or equipment requirement. This issue will need to be addressed at that time.

The contractor is required to ensure that all applicable permits for the proper management, maintenance, and upgrade to the current system prior to construction activity.

16. PUBLIC HEALTH AND SAFETY

Under any action posed by the divesting of the electric utility distribution system the current condition of the system poses no significant impacts to the public health or the environment.

17. SOILS AND GEOLOGY

The Post is located on the Atlantic Coastal Plain Province typified by a mixture of materials including clay, sand, gravel, and boulders. The area that includes the installation is composed of impermeable, unstratified, reddish, sandy fill that varies in depth from 25 to 125 feet. There is some yellow loam that often covers this fill in areas mixed with boulders of varying shapes and sizes. In general, surface deposits within the Post are largely fill which covers former mud flats, sand beaches, and glacial debris. Unconsolidated sediments overlie the bedrock which consist of:

1. An upper layer section of poorly sorted (clay, silt, sand, and gravel) sediments.
2. A section of sand and gravel of glacial origin; and
3. A lower silty clay.

Historically, an extensive wetland area was situated in the eastern portion of the Post. This wetlands area was filled with hydraulic and dry fill during the twentieth century. In addition,

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the marshy areas along the shore received similar fill to an elevation of 10 feet or more to support the Belt Parkway (EBR-August 1998, Parsons Harland Bartholomew & Associates).

Alternatives A and B

Any construction activities create the potential for soil disturbance, including erosion. Proper methods should be employed to minimize erosion and secure required permits.

VI. CUMULATIVE IMPACTS

Current Construction

The proposed action by the DA will have no impact on current projects. Future maintenance to the electric utility distribution system could impact the Post. It is possible, privatization could have some impact on current commissary construction. Depending on the completion of the commissary, and any maintenance activities to the electric distribution system, there may be some impact to the project area.

Current Environmental Episodes

No current issues were identified.

Landscape Plans

Landscape plans have been developed for three areas on the Post: Sterling Drive, Wainwright Drive, and Lee Avenue (Figure 7). The electric distribution system traverses the planned areas at different points. Activity in these areas could cause cumulative impact during the initiation of the landscaping plans. Maintenance/construction in these areas should be cleared with the DPW for proper coordination of each project.

VII. MITIGATION

There is no comprehensive mitigation necessary or required for the proposed actions by the DA/Fort Hamilton. There are specific areas which require attention. Specifically during construction, there are soil and erosion control permits necessary for compliance to local, state and federal laws. The Post will also have specifics on traffic control procedures during construction. The contractor will satisfy these mitigating factors prior to any construction.

In the area of the building 200 gas station located near the corner of Lee Avenue and Schum Avenue, remediation activities and procedural requirements must be considered in the event of any subsurface activity. Currently the site does have active USTs which were installed in 1990. In May of 1997 there were detectable levels of Benzene, Toluene, Ethyl benzene, and Xylene (BETX) identified in the soil. It was determined that the contamination was confined and had not migrated or reached groundwater. Construction activity on or around this site will be coordinated with the DPW and NYSDEC (Environmental Division, Fort Hamilton Installation Action Plan, March 1998).

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The NYSHPO requires a Section 106 review that investigates historical and archaeological value for certain sites due to the lack of complete cultural information. Along with these permits the DPW requires the prior notice of all activity on Post for the proper coordination of construction actions.

The DPW did not indicate any specific guidelines concerning the management of flora or fauna on Post, but coordination and subsequent approval for actions resulting in the destruction, pruning, or any alteration to current tree inventory is required (Mr. Peter Koutroubis, Ft. Hamilton Environmental Chief).

VIII. LIST OF AGENCIES/PERSONS CONTACTED

Mr. Mike Paidoussis	Director of Public Works Fort Hamilton	(718)630-4501
Mr. Peter Koutroubis	Chief of Environmental Affairs Fort Hamilton, DPW	(718)630-4485
Mr. Tom Blair	Environmental Specialist Fort Hamilton, DPW	(718)630-4485
Mr. Frank J. Schieppati	Principal Investigator Panamerican Consultants, Inc.	(800)699-1320
Mr. Julian Adams	Historic Investigator New York State Historic Preservation Office	(518)237-8643 ext. 282
Ms. Cathy Howe	Historic Investigator New York State Historic Preservation Office	(518)237-8643 ext.266
Ms. Lisa Dunn	NY Economic Dev. Corp.	(212)312-3771

IX. DISCLAIMER

Based upon this investigation, privatization poses no significant impact the Post. However the actions associated with the proper management of this utility system are numerous and very specific. Evaluations associated with each subsequent activity must be assessed individually.

For the purpose of this Environmental Assessment (EA) all subsurface activity, construction activity, environmental remediation, and general utility maintenance was considered. Areas of particular concern were cultural resources, past environmental episodes, and areas containing threatened and endangered species. The investigation was performed in accordance with AR 200- 1 and 2 and the Army Environmental Managers Handbook for compliance with the National Environmental Policy Act (NEPA). Specific activities relating to future action proposed by the Army or the private contractor must be addressed specifically and separately.

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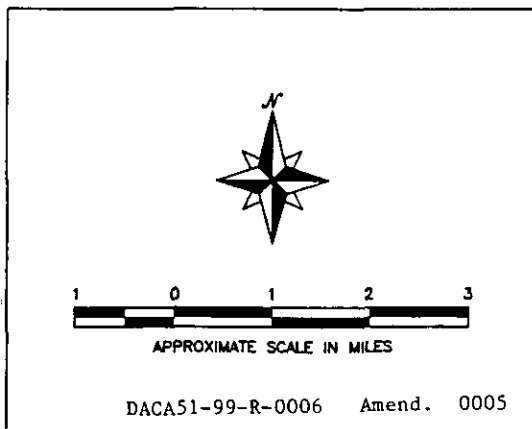
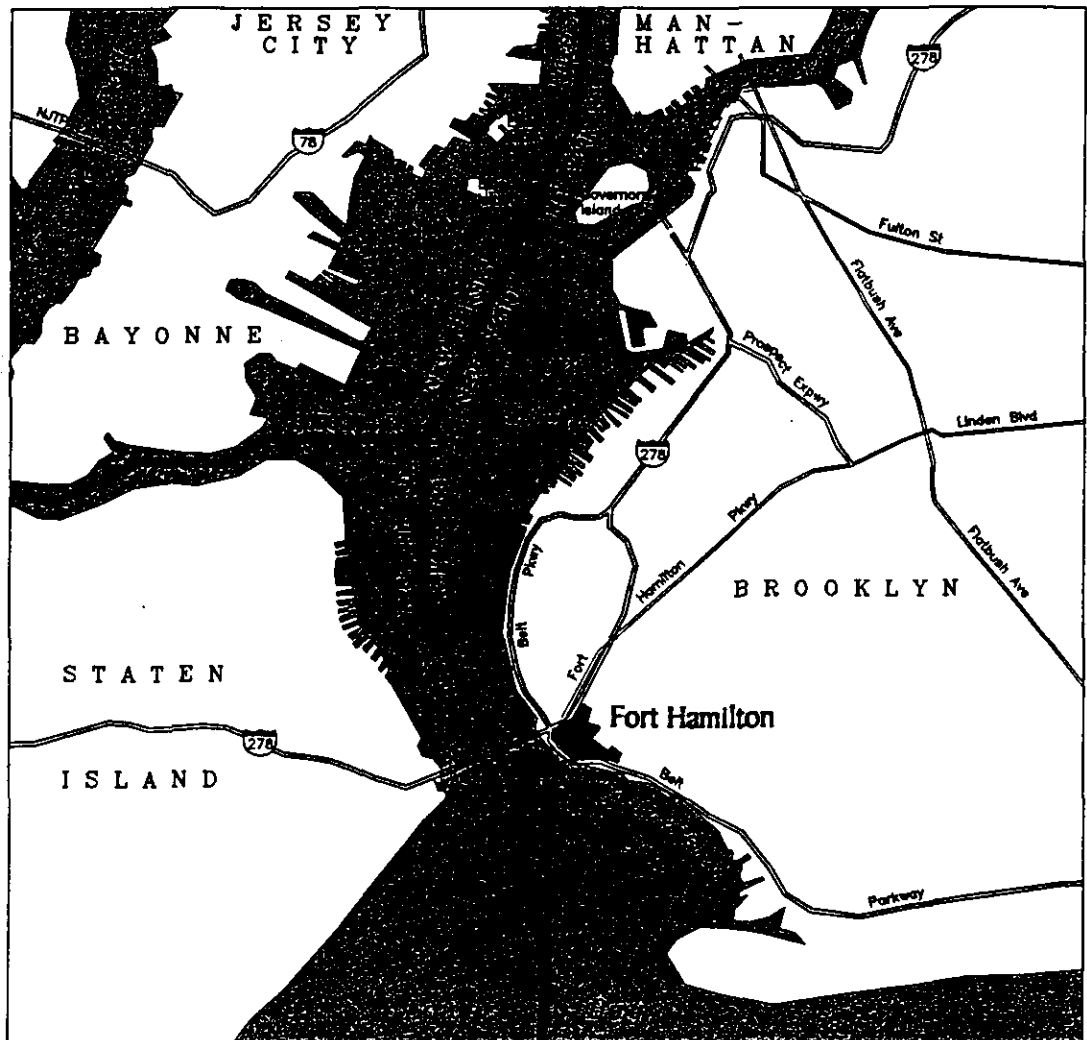
**X. CONCLUSIONS**

Based on the observations, interviews and records reviewed, it has been determined that the environmental effects of the proposed actions are not significant. This investigation can not anticipate the maintenance/construction activity after privatization. In the event of maintenance, upgrade, or replacement, there may be impacts that could affect existing conditions. Specific conditions and their perceived levels of sensitivities are:

1. The three Nationally Registered Historic Places, Bldgs. 207, 220, and 230. Maintenance activity in these areas should be coordinated through the DPW and the NYSHPO. This applies to the structures, current fill material throughout the Post and contributing vegetation near the NRHPs.
2. The remediation activity at the existing gasoline station, and Bldg. 200. All maintenance and construction activity in this area must be coordinated through the DPW and the NYSDEC.
3. In the event of construction or subsurface activity, all soils in the area must be evaluated for hydrocarbon content. This may reinitiate permit procurement from DPW.
4. Soil and erosion control procedures for all construction activity which disturbs the soil at the Post.

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**Figure 1**  
**Site Vicinity Map**

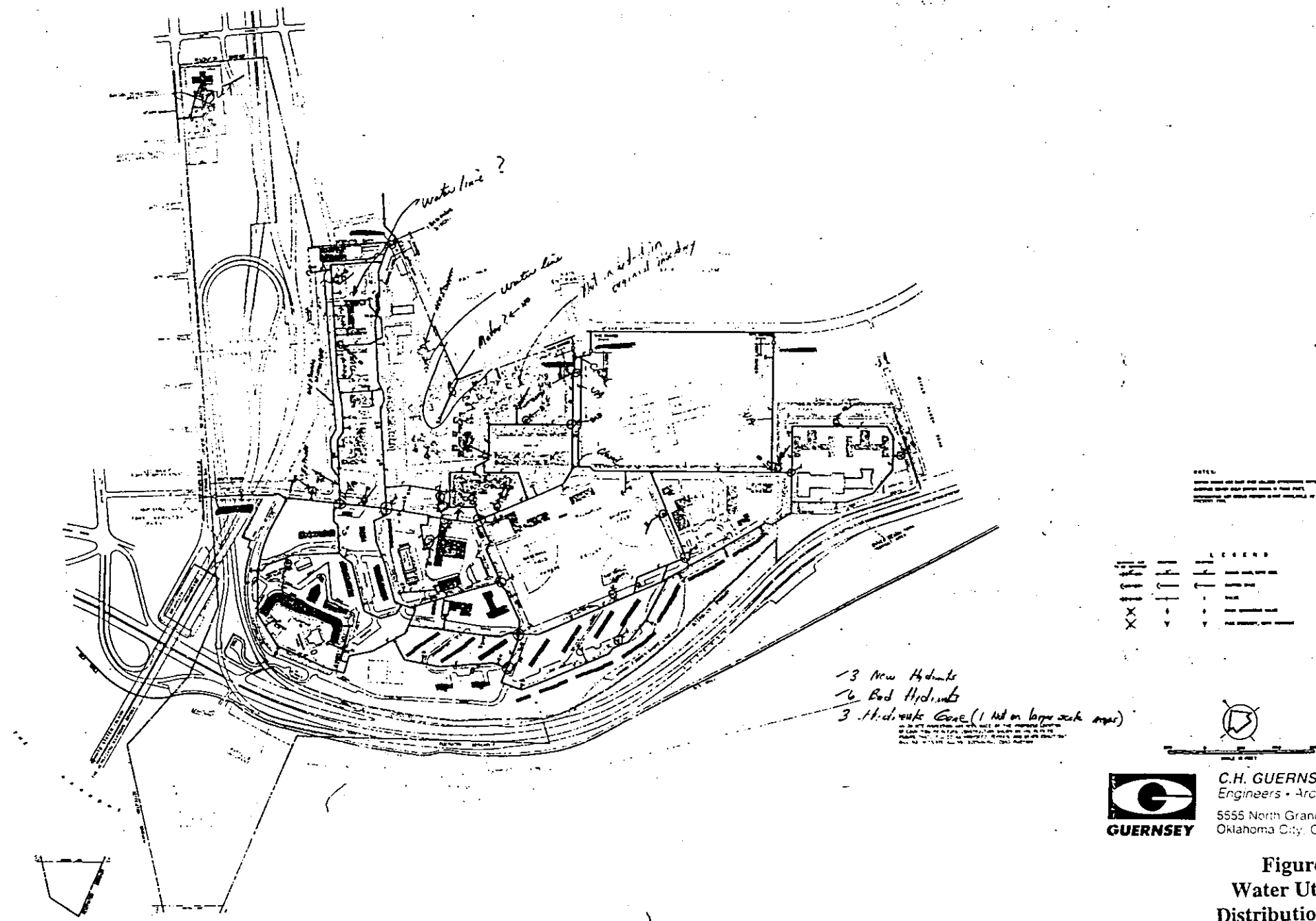
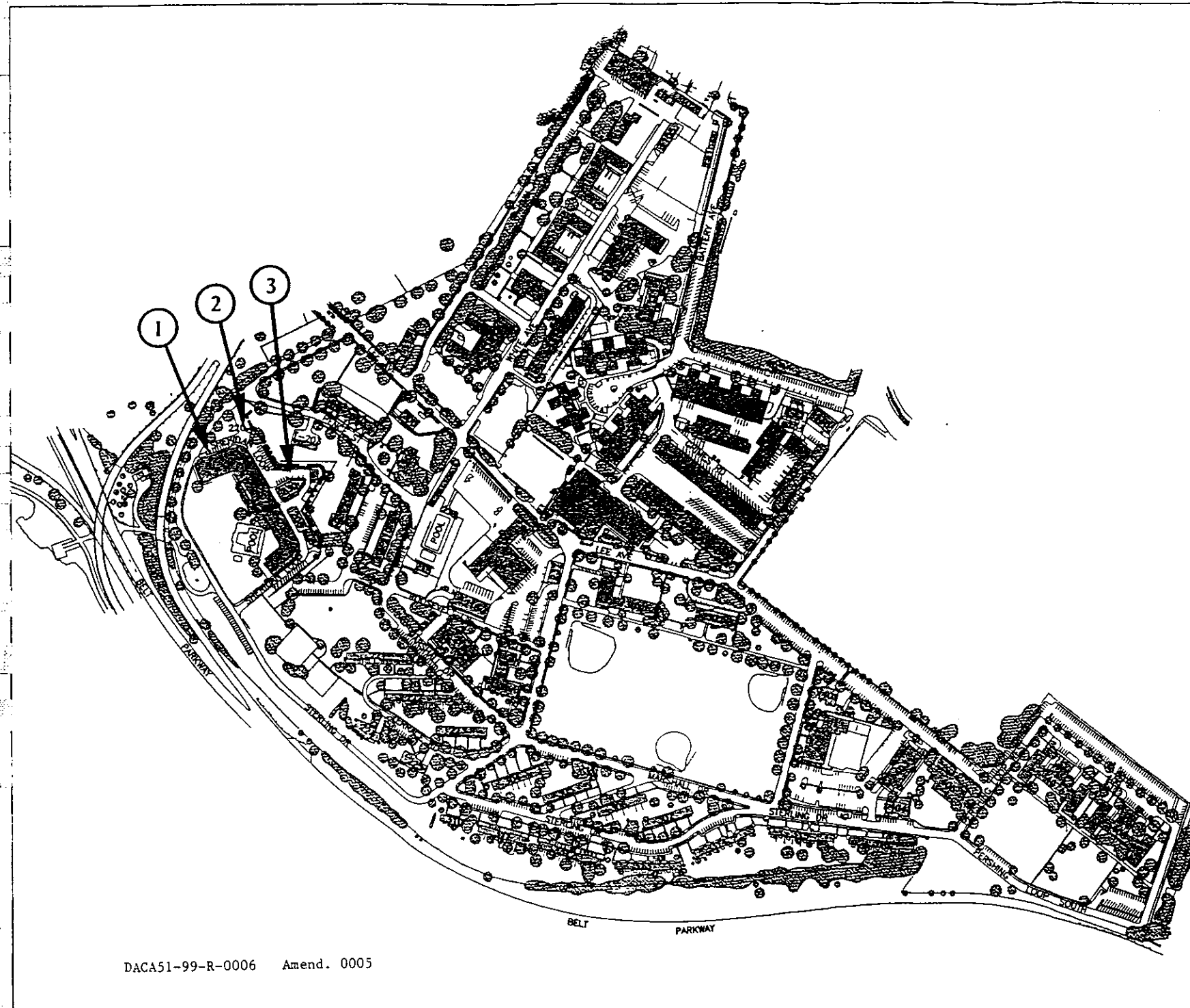


Figure 2  
Water Utility  
Distribution System





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Facilities Listed on National Register of Historic Places

- 1 Bldg 207, Old Casemate Fort (Community Club)
- 2 Bldg 220, Sentry Station
- 3 Bldg 230, Museum



350 0 350 700  
SCALE IN FEET

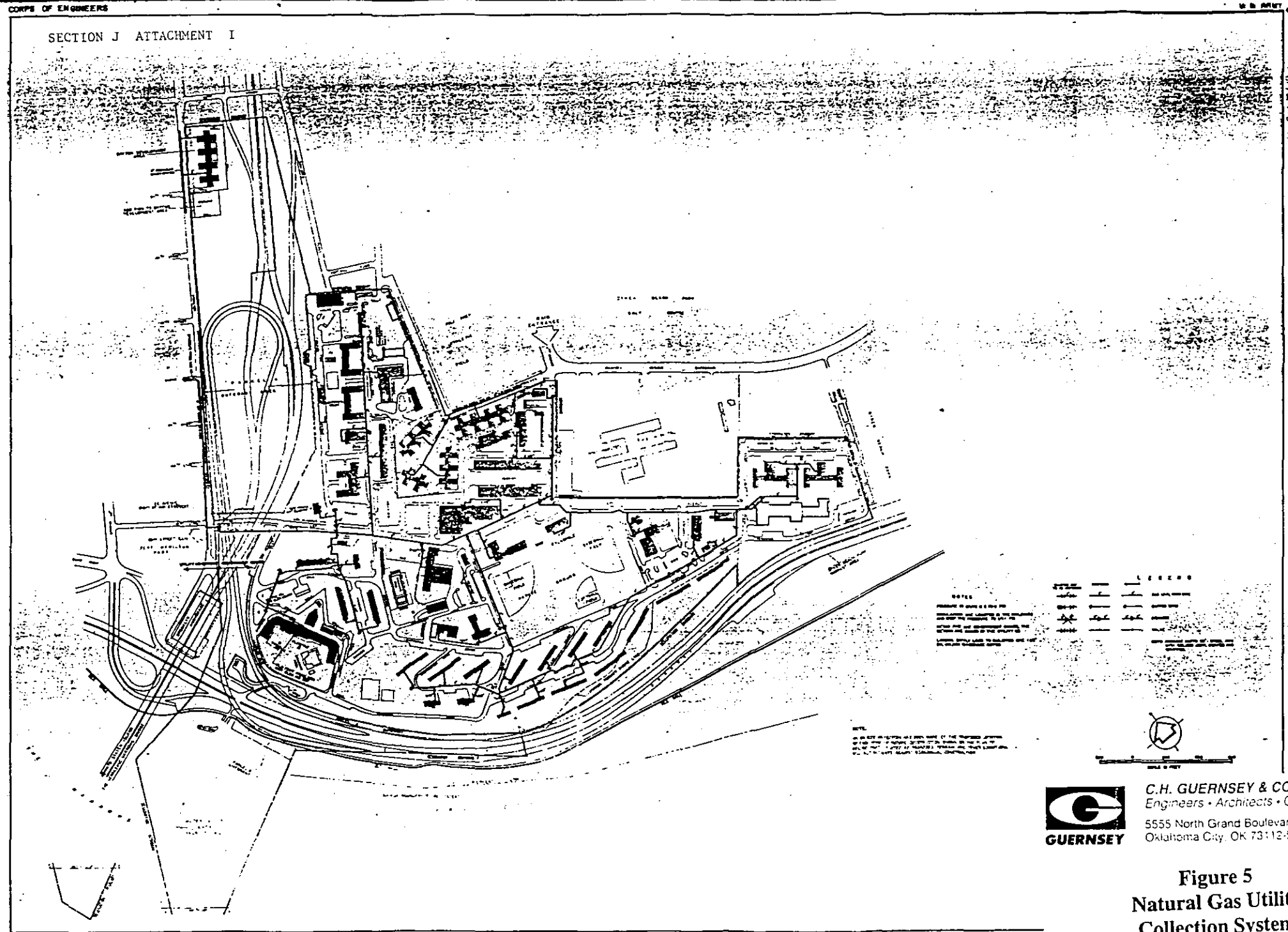
Source: New York Area Command and Fort Mifflin; NRHP, June 30, 1973.



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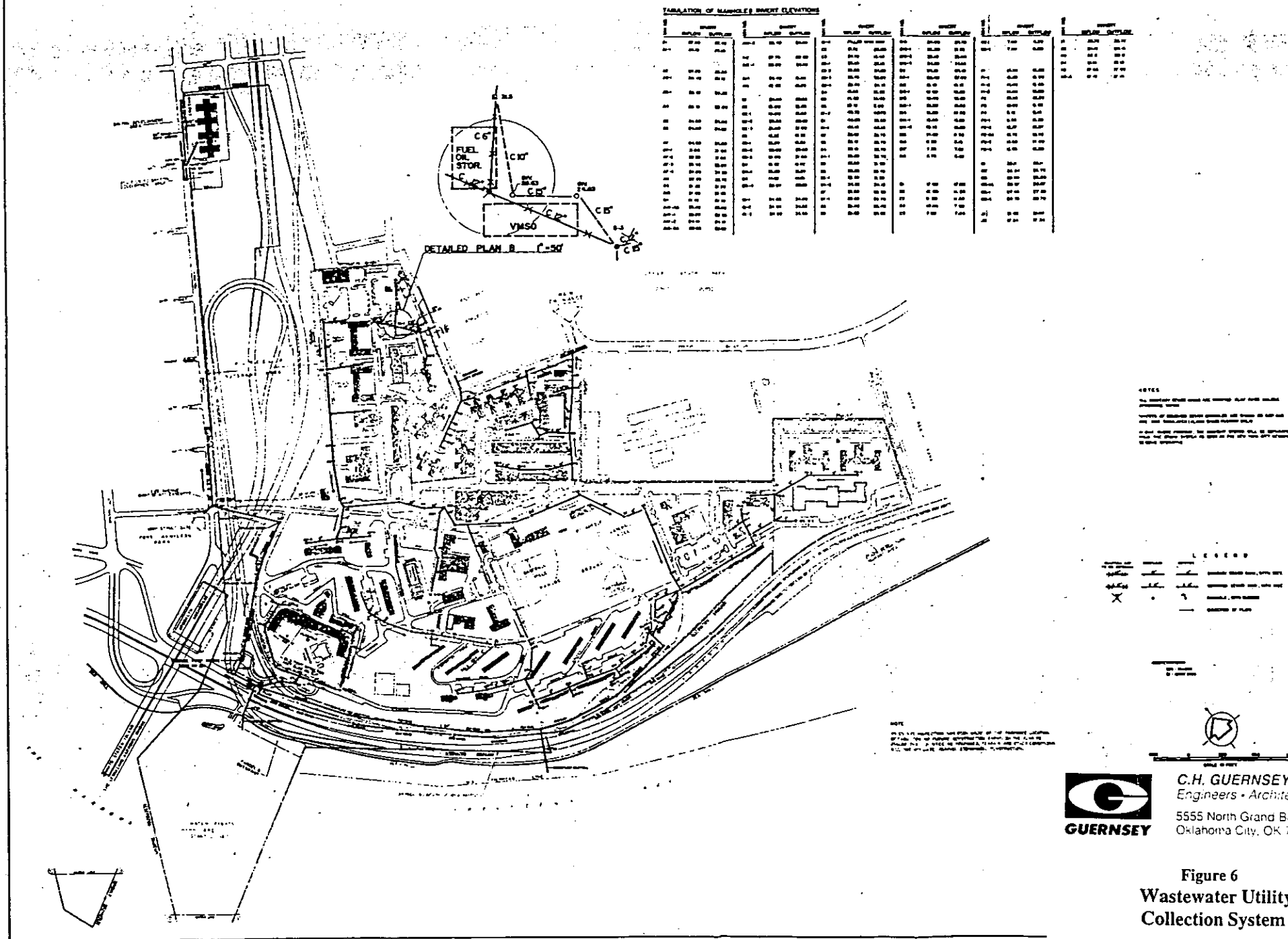
**Figure 3**  
**Cultural Resources**





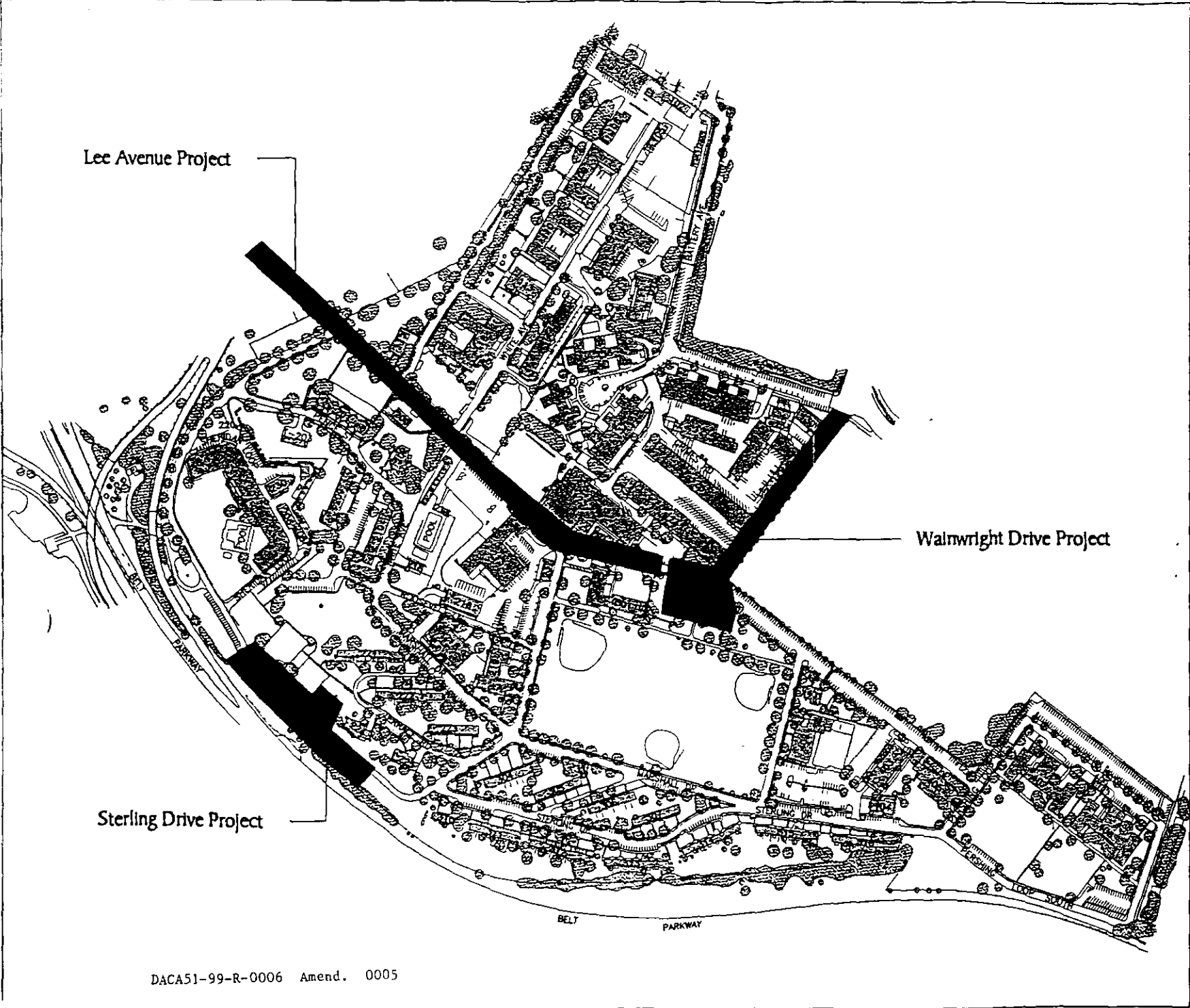
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**Figure 5**  
**Natural Gas Utility**  
**Collection System**



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**Figure 6**  
**Wastewater Utility**  
**Collection System**



Buildings

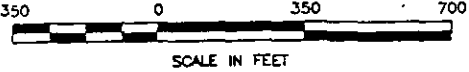


Trees and Shrubby

Note: All trees larger than 2" caliper are identified and documented in the Fort Hamilton Tree Inventory completed in July 1996.



Proposed Landscape Project Areas



Source: New York Area Command and Fort Hamilton



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Figure 7  
Vegetation &  
Landscaping

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**ENVIRONMENTAL ASSESSMENT  
FOR PRIVATIZATION  
OF  
THE WATER DISTRIBUTION SYSTEM  
FORT HAMILTON ARMY POST  
BROOKLYN, NY.**

**April 1, 1999**

**Prepared by:  
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**I. PURPOSE AND NEED**

The act of privatization accomplishes the divesting of ownership and responsibility for the operation, maintenance, and further development of the water distribution system. Under the current Army Rules, this type of action requires an environmental assessment (EA) to determine impacts associated with this action and their significance. If significant impacts are discovered, further investigation will follow in the form of an *Environmental Impact Statement* (EIS). But if no significant impacts are found, the result will be the preparation of a *Finding of No Significant Impact* (FNSI).

The need for the proposed privatization of the water distribution system is due to several factors affecting the installations' operations and the Army's mission, overall. The primary reasons are based on environmental compliance with local, state, and federal rules and regulations, future budget scenarios indicating that decreasing resources will be available to operate all facilities at the U.S. Department of the Army (DA), aging components of the utility systems requiring replacement due to wear and tear, and the need for increased efficiency. The inefficiency results in the consumption of additional energy at added cost, or less than optimal service to the customer. Future funding projections for the Department of Defense activities does not appear to be sufficient to address these deficiencies. In some cases the deficiencies will cause the utilities to be further out of compliance with existing or projected Federal, state, or local environmental regulations. Transfer of the utilities to private operators will create opportunities for future improvements in physical plant and operation.

**II. DESCRIPTION OF THE PROPOSED ACTION**

The Department of the Army is proposing the privatization of the potable water utility services for Fort Hamilton Army Post (Post), Brooklyn, New York (Figure 1). The water distribution system consists exclusively of a water line distribution system. The Post purchases and is delivered treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. The water distribution system is owned by The Post, but has been maintained and repaired by general service contractors since 1986. Potable water is delivered to The Post by the City of New York City at three (3) locations (Figure 2).

Privatization is defined as the transfer of ownership, responsibilities, investments, upgrade, plant replacement, continued operation and maintenance of the Army-owned utility systems to the non-Department of Defense sector. The transfer of ownership of Government-owned property is currently subject to Congressional notification and all agreements made pursuant to this notification are subject to final Congressional notification. This privatization action will be completed upon the evaluation of potential contractors not yet identified. Both the potential contractors and the DA will evaluate the feasibility of divesting the potable water distribution system. If it is in the better interest of the DA to divest the system and there is an interested and qualified contractor to claim ownership, the system discussed will be transferred according to the *Consolidated Utility Privatization RFP*, January 1999 for the privatization of utilities at Fort Hamilton, NY.



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The actual privatization of the water system poses no significant threat to the environment or public health. However this type of action also focuses on the management of the utility system when and if the system is privatized. Whether the Department of Public Works (DPW) for the Post manages the system or a private contractor manages the system, the necessary upgrades or repairs are necessary in the future and the effects of these changes to the system need to be first identified and then evaluated.

### III. ALTERNATIVES

#### Alternative A/Privatization

This alternative proposes the privatization of the water distribution utility services to a private contractor. This contractor will be responsible for maintenance, upgrade, planning, additions, and all permits, easements, and agreements necessary between their customer and any regulatory agencies with jurisdiction over any proposed changes to the system.

#### Alternative B/No Action

This alternative proposes no change in the current ownership or operation of the water utility services.

### IV. AFFECTED ENVIRONMENT

The proposed action has the possibility of impacting the surrounding environment around the distribution lines. This environment in some areas includes the existing soil and geology structure, the Nationally Registered Historical Places, areas of archaeological value, past and present environmental episodes currently in mitigation, and areas that have the possibility of creating a threat to the public health.

### V. IMPACTS

#### 1. LAND USE

Currently the land occupied by the Post is primarily used for Army administration, logistics, and support services as the last active army post in the greater New York City Metropolitan area. Water lines traverse the 117 acres servicing the buildings on Post. Future use of this land for the function of water distribution will not change as a result of proposed Army actions.

#### Alternative A

Land ownership will be different due to easement guidelines determined between the contractor and the DPW of the Post. This could have a significant impact on future actions,

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in the event of a non-agreement on ownership of the real property surrounding the water distribution system.

Alternative B

With no action the ownership and land use would not change. Therefore there is no significant impact resulting for this action.

2. AIR QUALITY

The New York City Metropolitan area is in nonattainment for several criteria pollutants as defined under the National Ambient Air Quality Standards (EPA-August 1998, Parsons Harland Bartholomew & Associates). These criteria pollutants are sulfur dioxide, nitrous oxide, volatile organic compounds, carbon monoxide, total suspended particulates and particulate matter smaller than ten micrometers. According to the regulations, the Post is considered a minor source of air pollutant emissions and is not required to submit an annual Emission Statement to City and State.

Alternative A

With the proposed action of privatizing this service there would be no significant impact. Although there will be increases in some of the criteria pollutants during any construction to the potable water distribution system, carbon monoxide, particulate matter (dust, etc.) the increase is expected to be minimal.

Alternative B

This action poses no significant impact within the project area. Although there will be increases in some of the criteria pollutants during any construction to the natural gas distribution system, carbon monoxide, particulate matter (dust etc.), the increase is expected to be minimal.

3. WATER QUALITY/QUANTITY

The Post purchases and is delivered treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. Potable water is delivered to The Post by the City of New York City.

Alternative A & B

In either situations proposed by the Department of the Army, there will be no impact to the quality or quantity of water supplied by the City of New York City. Nor will related projects initiated in the future cause any impacts on the current system.

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4. WASTE DISPOSAL

In 1994, the Post generated approximately 2 million pounds of residential solid waste and 500,000 pounds of commercial and industrial solid waste. The Post disposes of solid waste via the services of private contractors who maintain and empty collection containers located throughout the installation. Individuals and janitorial personnel collect solid waste from activities within buildings and place it in the collection containers. The contractor removes the waste to transfer stations in the vicinity of the Post. Subsequently, the waste is carried to public and private landfills and other waste disposal sites. Recycling of office and household solid waste has been initiated at the Post. Aluminum, glass, newspaper, office paper, and plastic bottles are accumulated in special containers located in residences and in offices. A recycling contractor periodically collects these materials and removes them to commercial recycling operations off-post. Medical waste is collected at the Ainsworth Clinic and removed by a contractor for appropriate disposal off-post. Hazardous waste is removed by a Defense Reutilization and Marketing Office (DRMO) contractor (EBR-August 1998, Parsons Harland Bartholomew & Associates). See subsection 14 of this EA for specifics pertaining to hazardous waste disposal.

Alternative A

With the proposed action of privatizing this service there would be no direct impact for the project. There are no waste associated with the water distribution system.

Alternative B

This action poses no direct impact to life or property within the project area.

5. NOISE

Typical on-post noise sources at Army installations include tank, artillery and small arms fire; helicopter flights; fixed-wing flights; and explosive ordnance detonations. However, none of these noise sources exist at The Post. In fact, noise generated at The Post is insignificant compared to the existing noise levels in the community (NYAC and Fort Hamilton, 1989).

Alternative A

There would be no direct impact for the proposed action of privatizing this service. There are no wastes associated with the natural gas distribution system.

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Alternative B

This action poses no direct impact to life or property within the project area. There are no wastes associated with the natural gas distribution system.

6. TRANSPORTATION

Street/Road travel through the Post is the primary form of transportation. The proposed actions by the Department of the Army will not severely impact the travel within the Post during normal operations. When construction projects are undertaken, the police department on Post will handle the necessary changes on a case by case based ensuring travel is achieved in an orderly fashion.

Alternative A

With the proposed action of privatizing this service there would be no direct impact to life or property within the project. Construction repair or replacement activity associated with the water distribution system should cause only temporary disruption to traffic on the Post.

Alternative B

This action poses no direct impact to life or property within the project area.

7. IONIZING AND NON-IONIZING RADIATION

There are no ionizing or non-ionizing sources of radiation currently on post. Proposed actions by the DA or future maintenance on the system will not cause impact of this nature.

Alternative A

These actions pose no direct impact to life or property within the project area.

Alternative B

These actions pose no direct impact to life or property within the project area.

8. PREHISTORIC AND HISTORIC SITES

Three of the installation's structures are listed on the National Registry of Historic Places (NRHP); Building 207, Building 220, and Building 230 (EBR-August 1998, Parsons Harland Bartholomew & Associates). Due to the proximity of the water distribution lines, there are potential impacts anticipated with construction activities (Figure 3).

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Archeological surveys were conducted on the Post and no sites were identified. However, The Post is still considered a site of archaeological value and coordination with the New York State Historic Preservation Office (NYSHPO) is ongoing to determine if other sites are located on Post. (EBR-August 1998, Parsons Harland Bartholomew & Associates)

Alternative A

These actions posed do not directly impact the environment or public health. However, the Cultural Resources Management Plan for the Post identifies the potential for archaeological resources (both historic and prehistoric) to be located beneath the fill that is present within the bounds of the installation. Any activities that requires disturbance beneath this fill or out of the existing trenches has the potential to displace or destroy cultural resources. Therefore any construction within the Post boundaries must be cleared and confirmed through the NYSHPO prior to initiation and the DPW must be informed for the proper coordination of the project. The required method of notification is by requesting a Section 106 review for historic and archaeological sources.

Alternative B

Under the previously stated constraints, the procedure for impact mitigation would not change based on the user. Therefore the actions would still be the same if the DA retained ownership of the Water system. Any water line construction activities could impact NRHPs.

9. UTILITIES

Electricity

The Post currently purchases wholesale electric power at 26.4 kV from Consolidated Edison Electric Company (ConEd) at a single primary delivery voltage point near the center of the east boundary of the Installation (Figure 4). The Post owns and operates an electric utility distribution system consisting of: one 26.4 kV distribution substation, approximately 3.2 circuit miles of overhead primary distribution lines and approximately 1.3 circuit miles of underground primary lines. The electrical distribution system is owned by the Post, but has been maintained and repaired by general service contractors since 1986.

Gas

The Post currently uses Government-owned facilities to distribute natural gas within the Installation boundaries (Figure 5). The Post's natural gas distribution system operates only on the installation for services within the Post boundary. The natural gas distribution system is owned by the Post, but has been maintained and repaired by general service contractors since 1986. Natural gas is delivered by Keyspan and connects to the installation's distribution system at three (3) points. One connection point and 2 master

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meters are at the intersection of 101<sup>st</sup> Street and Hamilton Parkway. Another connection point and residential meters are near the intersection of Battery Avenue and Poly Place which provides natural gas to the high rise apartments; Buildings 136, 137, and 138. The third connection point and residential meter is along Poly Place and provides natural gas service to Building 135. The natural gas commodity is currently supplied through a Department of Defense (DOD) supply contract and transported to the Post distribution system by BUG/Keyspan. The Government assumes ownership on the low side of each natural gas meter/master meter at the BUG/Keyspan point connection.

Wastewater

The Post wastewater distribution utility system consists exclusively of a collection system and a single lift station (Figure 6). The Post does not own or operate any sewage treatment facilities. All sewage generated is pumped to the City of New York for treatment at five (5) connection points. The Post's wastewater collection system was originally installed in the 1950's and has been operated, maintained and repaired by a contractor since 1986.

Alternative A

This action poses no direct impact to the environment or public health within the project area. Nor will it adversely change the service to the Post customers. There is a potential for some minor impacts related to new construction or maintenance activities.

Alternative B

This action poses no direct impact to environment or public health within the project area.

10. SOCIOECONOMIC CHARACTERISTICS

The impact on the socioeconomic environment for the proposed project is expected to be insignificant. This is because all utility maintenance positions are currently non-governmental. Impacts will be limited to the private sector. But the divesting of the utility would require a work force to operate the utilities in order to provide the same level of service that the Army will demand.

Alternative A

This action poses minimal direct or indirect impact to the socioeconomic environment within the project area. Change in the service to the Post customers will also be minimal because the personnel necessary to meet the demand for service will continue to be supplied.

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Alternative B

This action poses no direct or indirect impact to the socioeconomic environment within the project area.

11. VEGETATION

The Post's vegetation consists of common plant species which are adapted to and are characteristic of urban areas. In most areas of the installation, well established lawns and trees exist. There are no undisturbed tracts of vegetation communities remaining at the Post (US Army Corps of Engineers, March 1997).

A tree inventory was completed for the Post in July 1996. The purpose of the tree inventory and management plan was to identify the health of the tree species, the amounts of the trees, and liabilities of hazardous tree conditions. The tree inventory addresses tree care requirements for all trees over 2 inches in caliper located at The Post.

The majority of the trees at the Post include London plane (37%), pin oak (9%), Japanese black pine (8%), flowering crabapple (8%), honey locust (7%), hawthorn (4%), eastern white pine (4%), and cherries (3%). Most of the shade or canopy trees are mature. Often these large trees have not been maintained or pruned over the years. Many of the large trees interfere with overhead wires (EBR-August 1998, Parsons Harland Bartholomew & Associates)..

The grass and herbaceous species on Post tend to be common plant species which have adapted to constant occupation of post for the last one hundred years.

The Post has plans for major Landscape projects in three areas: Sterling Drive, Wainwright Drive, and Lee Avenue (EBR-August 1998, Parsons Harland Bartholomew & Associates).. The natural gas distribution system traverses the planned areas at different points. Maintenance/construction in these areas should be cleared with the DPW for proper coordination of each project.

As reported in the May 1998 Environmental Baseline report, the New York State Department of Environmental Conservation (NYSDEC) was requested to review the Natural Heritage Program for information indicating the presence or absence of rare, threatened or endangered species. According to correspondence dated February 27, 1998 concerning the Post there were no potential impacts to endangered, threatened, or special concern wildlife species, to rare plant, animal, or natural community occurrences, or to other significant habitats (Ms. Teresa Mackey, NY Natural Heritage Program). However, the NYSDEC urges the final evaluation be determined by an on-site investigation prior to development or construction. This is due to the nature of continued change in habitats, communities, and species and on-going research.

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### Alternative A

In the event of construction or maintenance to the water distribution system there will be some destruction and damage to the flora and their habitat. According to the NYSHPO some of the trees on Post could be considered as structures contributing to the historic and archaeological value of the identified NRHPs. To have the trees removed or pruned, the NYSHPO require a Section 106 review in the event of disturbance. Also, the DPW requires no specific guidelines concerning the management of flora on Post, but coordination and subsequent approval for actions resulting in the destruction, pruning, or any alteration to current tree inventory is required (Mr. Peter Koutroubis, Ft. Hamilton Environmental Chief).

### Alternative B

For the purpose of construction or maintenance, the impacts for this action would be the same and would require the same mitigation procedures in Alternative A.

## 12. WILDLIFE

The existing fauna of the Post consists of common animal species adapted to and characteristic of urban areas. The area is characterized by a variety of urban fauna including rats, pigeons, sea gulls, cats, dogs, squirrels, and a variety of birds. There are no sensitive wildlife habitats at the Post (EBR-August 1998, Parsons Harland Bartholomew & Associates).

The New York State Department of Environmental Conservation was requested to review the Natural Heritage Program for information indicating the presence or absence of rare, threatened or endangered species. According to correspondence dated February 27, 1998 concerning the Post there were no potential impacts to endangered, threatened, or special concern wildlife species, to rare plant, animal, or natural community occurrences, or to other significant habitats (Ms. Teresa Mackey, NY Natural Heritage Program). However, the NYSDEC urges the final evaluation be determined by an on-site investigation prior to development or construction. This is due to the nature of continued change in habitats, communities, and species and on-going research.

### Alternative A & B

The proposed actions should not damage or cause destruction of the existing fauna of the Post. Therefore the impacts of these proposed alternatives should be insignificant.



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### 13. CONSTRUCTION EFFECTS

Currently there are no plans for alterations or restoration to the land of the proposed system. Therefore impacts will be minimal. However, in the event of construction associated with repair or maintenance, construction effects to the land will be definite. Under these circumstances the impacts will need to be evaluated on a case by case bases.

### 14. HAZARDOUS MATERIALS

From 1992 through 1995, the Post was classified as a large quantity generator of hazardous waste. This was primarily due to UST removal from building 200, on-site gasoline station, and other clean-up activities conducted in 1991. When these tanks were removed, elevated readings of hydrocarbon vapors (from 70 to 380 parts per million) using the photo ionizing detector were found approximately 15 feet below surface grade. Once a facility generates 1,000 kg of hazardous waste in any one month, it is considered a large quantity generator for the entire calendar year. The Post has been listed as a small quantity generator since 1996. Currently, all hazardous waste generated on post is collected, removed, and disposed of properly by a contractor. There are no assigned accumulation points or storage areas (EBR-August 1998, Parsons Harland Bartholomew & Associates).

#### Alternatives A and B

Any activity relating to hazardous material management would in no way affect the water distribution system. Therefore the proposed actions would not impact the current hazardous material management.

### 15. PERMITS REQUIRED

The privatization proposed by the DA requires no permits for the transfer of ownership or maintenance. In the event of repairs or additions to the water distribution system, there are permits required in relation to the NRHPs and points of possible archaeological value. These permits will need to be requested and cleared through the NYSHPO. The NYSHPO requires a Section 106 review that investigates historical and archaeological value for certain sites. Along with these permits the DPW requires the prior notice of all activity on Post for the proper coordination of construction actions.

There are possibly other permits required for construction or development on Post. At the time this EA was being developed, no agreements for the transfer of underlying land existed between the Post DPW and prospective system owners. Depending on this agreement the possibility of permits requiring procedures prior to maintenance, upgrade, or replacement exist. This agreement will need to be addressed further and separate from this assessment.

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The contractor is required to ensure that all applicable permits for the proper management, maintenance, and upgrade to the current system are secured prior to construction activity.

### 16. PUBLIC HEALTH AND SAFETY

Under any action posed by the divesting of the water distribution system the current condition of the system poses no significant impact to the public health or the environment.

### 17. SOILS AND GEOLOGY

The Post is located on the Atlantic Coastal Plain, which is overlain by a mixture of materials including clay, sand, gravel, and boulders. The area that includes the installation is composed of impermeable unstratified reddish sandy fill that varies in depth from 25 to 125 feet. There is some yellow loam that often covers this fill in areas mixed with boulders of varying shapes and sizes. In general, surface deposits within the Post are largely fill which covers former mud flats, sand beaches, and glacial debris. Unconsolidated sediments overlie the bedrock which consist of:

1. An upper layer section of poorly sorted (clay, silt, sand, and gravel) sediments.
2. A section of sand and gravel of glacial origin; and
3. A lower silty clay.

Historically, an extensive wetland area was situated in the eastern portion of the Post. This wetlands area was filled with hydraulic and dry fill during the twentieth century. In addition, the marshy areas along the shore received similar fill to an elevation of 10 feet or more to support the Belt Parkway (EBR-August 1998, Parsons Harland Bartholomew & Associates).

## VI. CUMULATIVE IMPACTS

### Current Construction

The proposed action by the DA will have no impact on projects currently underway. In the event of future maintenance to the water distribution system there could be impacts that are relevant. As an example construction is underway for the completion of a new commissary that will be located in the north corner of the Post. According to drawings supplied by the DPW, some existing lines in this area were removed as of 1984 and some remain. Therefore actions proposed by privatization could have some impact on current construction in this area. Depending on the completion of the commissary, and any maintenance activities to the water distribution system, there could be significant impact to each project. Situations such as these must be coordinated and approved on a case by case bases.

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### Current Environmental Episodes

Mitigation/remediation efforts are on-going at building 200, the gasoline station located near the corner of Lee Avenue and Schum Avenue. There are water lines that border the north and west sides of the building 200 property. Subsurface activity in this areas could cause a cumulative impact if the remediation activity at this site has not been cleared prior to maintenance activity in this area. This impact and its seriousness is discussed in Section VII, Mitigation.

### Landscape Plans

Landscape plans have been developed for three areas on the Post: Sterling Drive, Wainwright Drive, and Lee Avenue (Figure 7). The water distribution system traverses the planned areas at different points. Subsurface activity in these areas could cause cumulative impact during the initiation of the landscaping plans. Maintenance/construction in these areas should be cleared with the DPW for proper coordination of each project.

## VII. MITIGATION

There is no comprehensive mitigation necessary or required for the proposed actions by the DA/Fort Hamilton, but there are specific applications that require attention. In the event of construction there are erosion control permits necessary for compliance to local, state and federal regulations. Local authorities on the Post will also have specifics on traffic control in the event of construction. The contractor will be expected to satisfy these mitigating factors prior to construction.

In the area of the building 200 gas station located near the corner of Lee Avenue and Schum Avenue, there are on-going remediation activities and procedural requirements that must be considered in the event of any subsurface activity. Currently the site does have active USTs which were installed in 1990. In May of 1997 there were moderate levels of Benzene, Toluene, Ethyl benzene, and Xylene (BETX) identified as remaining in the soil. However, it was determined that the contamination was confined and had not migrated or reached groundwater. Any construction activity on or around this site is to be coordinated not only with the DPW but also with the NYSDEC (Environmental Division, Fort Hamilton Installation Action Plan, March 1998).

As mentioned previously, the NYSHPO requires a Section 106 review that investigates historical and archaeological value for certain sites due to the lack of complete cultural information. Along with these permits the DPW requires the prior notice of all activity on Post for the proper coordination of construction actions.

The DPW requires no specific guidelines concerning the management of flora on Post, but coordination and subsequent approval for actions resulting in the destruction, pruning, or any alteration to current tree inventory is required (Mr. Peter Koutroubis, Ft. Hamilton Environmental Chief).

## VIII. LIST OF AGENCIES/PERSONS CONTACTED

Mr. Mike Paidoussis	Director of Public Works Fort Hamilton	(718)630-4501
Mr. Peter Koutroubis	Chief of Environmental Affairs Fort Hamilton, DPW	(718)630-4485
Mr. Tom Blair	Environmental Specialist Fort Hamilton, DPW	(718)630-4485
Mr. Frank J. Schieppati	Principal Investigator Panamerican Consultants, Inc.	(800)699-1320
Mr. Julian Adams	Historic Investigator New York State Historic Preservation Office	(518)237-8643 ext. 282
Ms. Cathy Howe	Historic Investigator New York State Historic Preservation Office	(518)237-8643 ext.266
Ms. Lisa Dunn	NY Economic Dev. Corp.	(212)312-3771

## IX. DISCLAIMER

This action of privatization poses no significant impact the Post. However the actions associated with the proper management of this utility system are numerous and very specific. Evaluations associated with each subsequent activity must be assessed on a case by case basis.

For the purpose of this Environmental Assessment (EA) all subsurface activity, construction activity, environmental remediation, and general utility maintenance was considered. Areas of particular concern were areas of cultural sensitivity, past environmental episodes, and areas containing threatened and endangered species. These and other factors were investigated and reviewed according to AR 200- 1 and 2 and the Army Environmental Managers Handbook for compliance with the National Environmental Policy Act (NEPA). Specific activities relating to future action proposed by the Army or the private contractor must be addressed separately.

## SECTION J ATTACHMENT I

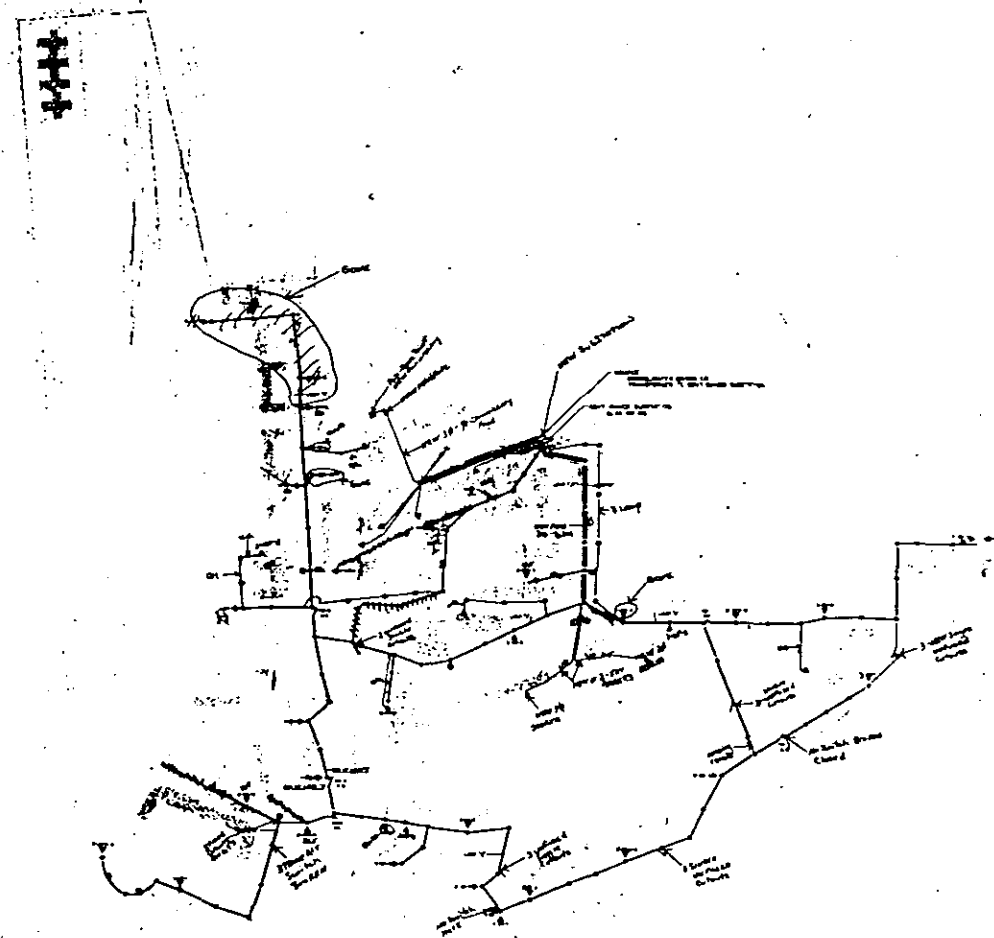
Environmental Assessment for Privatization of the Water Distribution System  
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### X. CONCLUSIONS

Based on the observations, interviews and records reviewed, it has been determined that the environmental effects of the proposed actions are not significant. However this statement must be clarified because the proposed actions involved do not incorporate maintenance/construction activity after privatization. In the event of maintenance, upgrade, or replacement, there are possible impacts that could affect existing conditions. Specific conditions in their perceived levels of sensitivities are:

- 1) The three Nationally Registered Historic Places, Bldgs. 207, 220, and 230. Maintenance activity in these areas should be coordinated through the DPW and the NYSHPO. Not only for the structures but also for the archaeological value possibly contained beneath the current fill throughout the Post and contributing vegetation near the NRHPs.
- 2) The on-going remediation activity at the existing gasoline station, Building 200. Maintenance activity in this area should be coordinated through the DPW and the NYSDEC.
- 3) In the event of construction or subsurface activity, the condition of the soils in the area must be evaluated (ie. hydrocarbon impacted). Along with evaluating the conditions of the soil, the necessary permits must be secured prior to the initiation of the activity.
- 4) Soil and erosion control procedures for all construction activity which disturbs the soil at the Post.



- LEGEND**
- 115KV
  - 11KV
  - 4KV
  - 2KV
  - 1KV
  - 0.4KV
  - 0.2KV
  - 0.1KV
  - 0.05KV
  - 0.02KV
  - 0.01KV
  - 0.005KV
  - 0.002KV
  - 0.001KV

**NOTES**

1. ALL VOLTAGES ARE IN VOLTS AC.

2. ALL VOLTAGES ARE IN VOLTS AC.

3. ALL VOLTAGES ARE IN VOLTS AC.

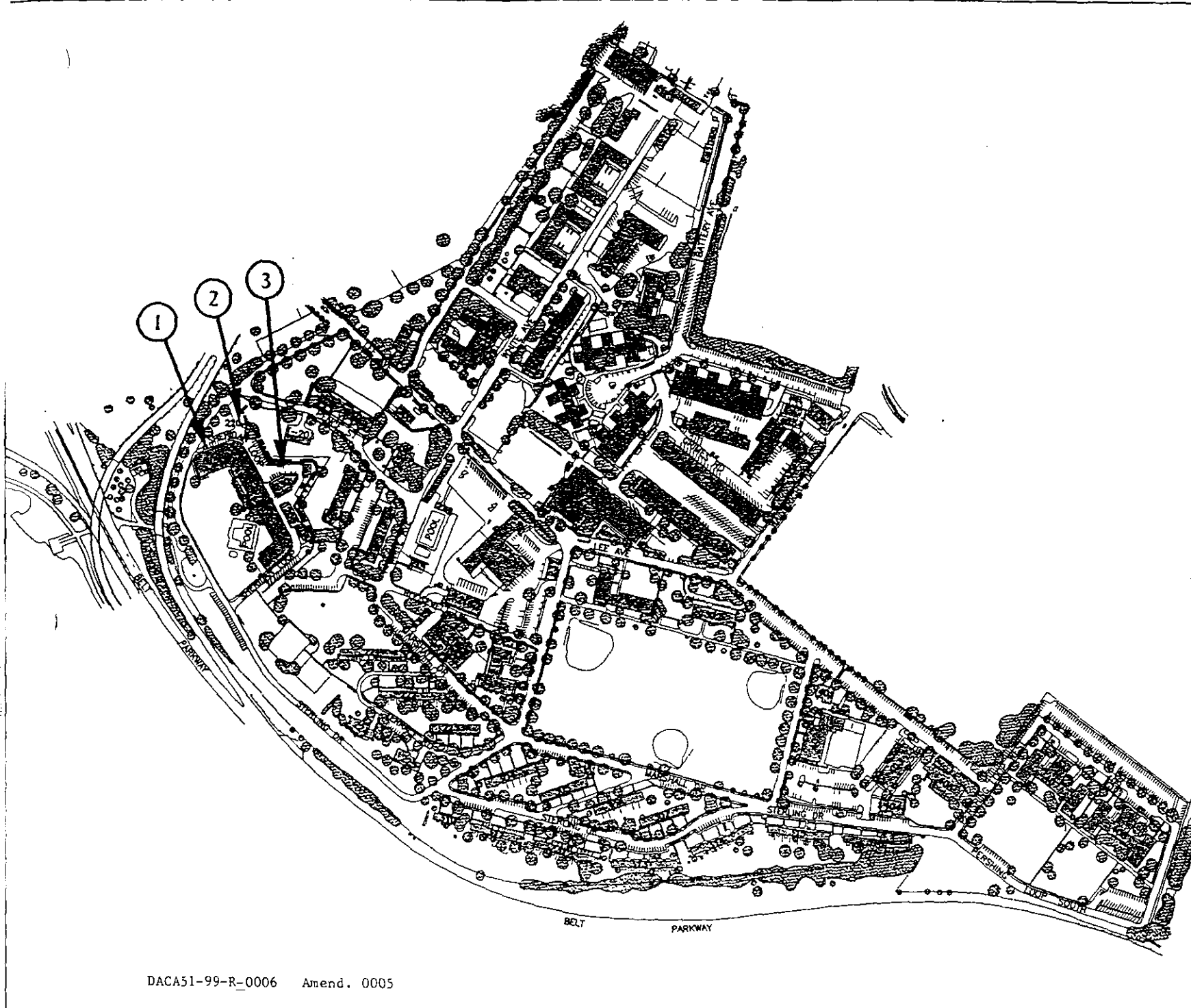
NOTE: 115KV Entry Bus Only  
10' DIA RWT



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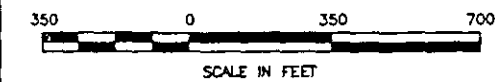
*Primary  
5000 volts.*

**Figure 2**  
**Electrical Utility**  
**Distribution System**



Facilities Listed on National Register of Historic Places

- 1 Bldg 207, Old Casemate Fort (Community Club)
- 2 Bldg 220, Sentry Station
- 3 Bldg 230, Museum

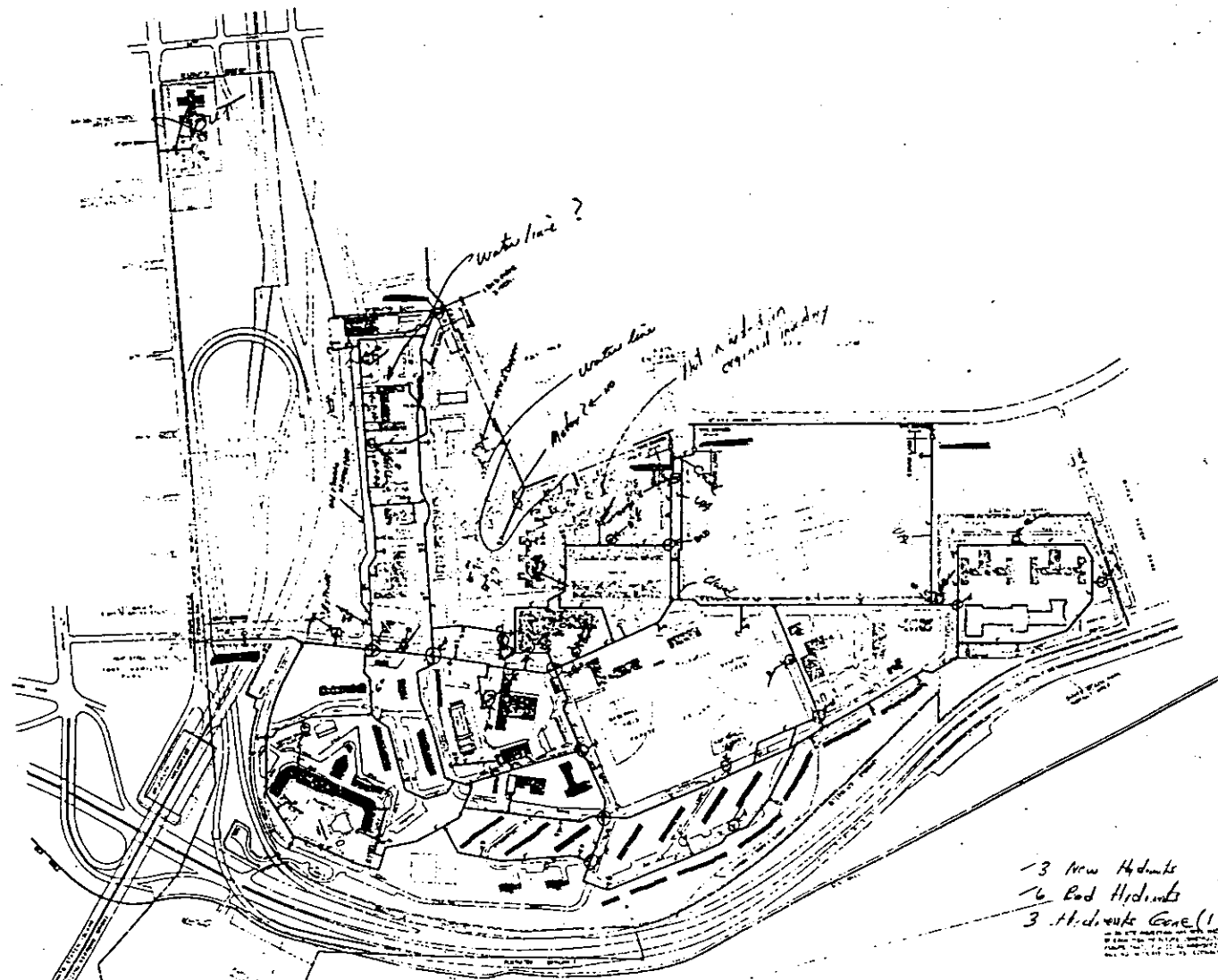


Source: New York Area Command and Fort Hamilton; NRHP, June 30, 1973.



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**Figure 3**  
**Cultural Resources**



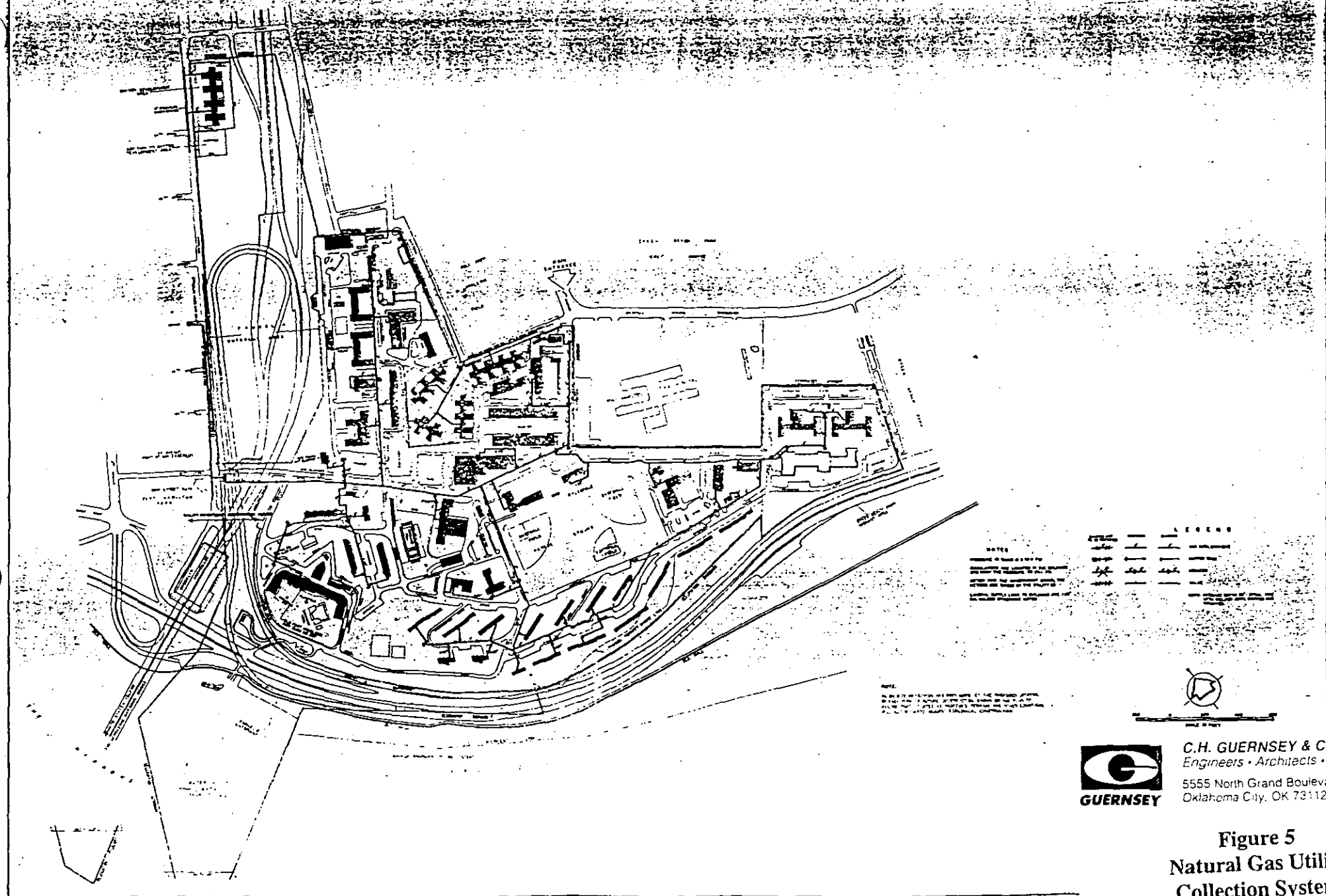
3 New Hydrants  
 16 Bad Hydrants  
 3 Hydrants Gone (1 not on larger scale map)  
 1 New Valve  
 1 Bad Valve  
 1 Valve Gone  
 1 New Pipe  
 1 Bad Pipe  
 1 Pipe Gone  
 1 New Water Line  
 1 Bad Water Line  
 1 Water Line Gone



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**Figure 4**  
**Water Utility**  
**Distribution System**



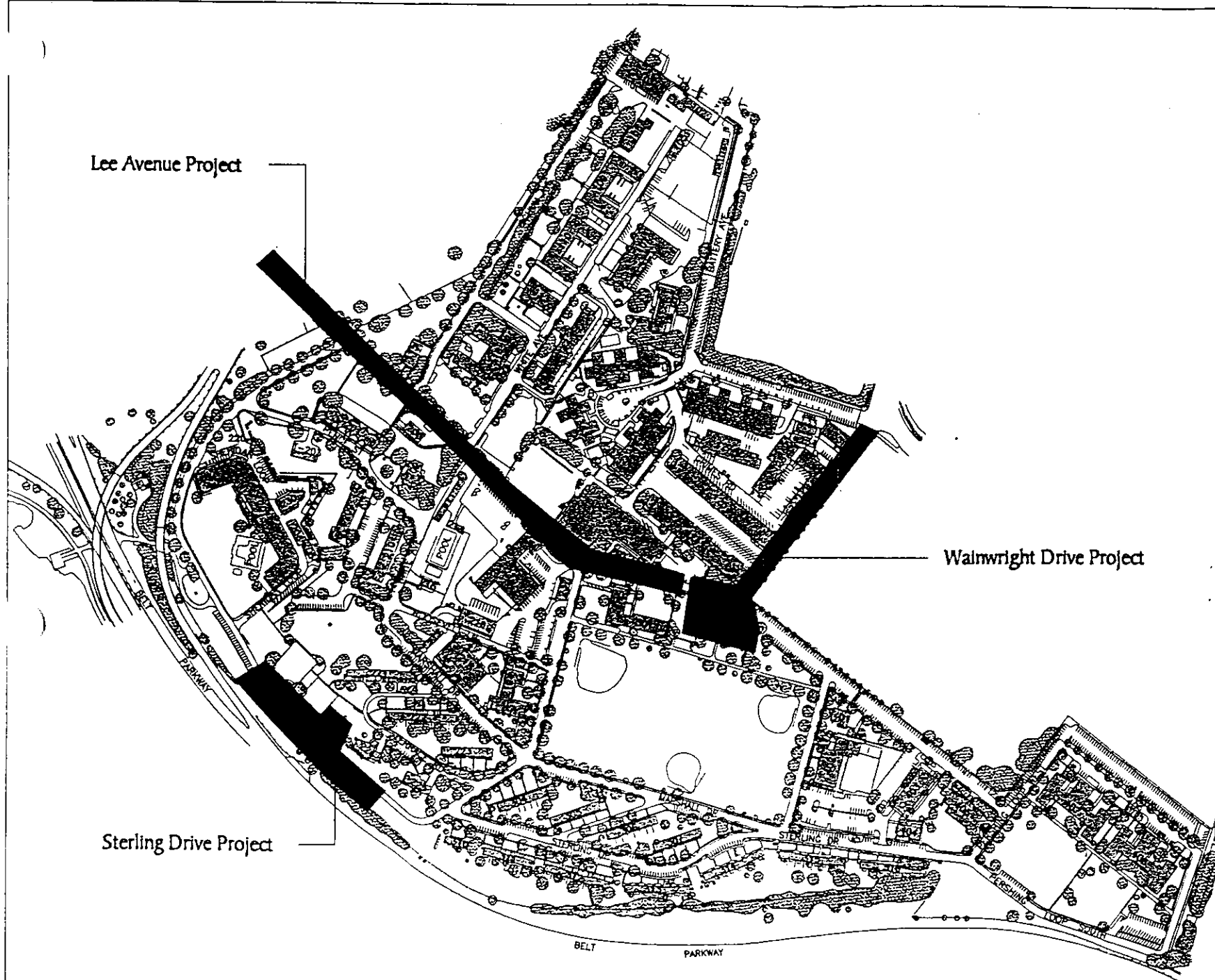


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**Figure 6**  
**Wastewater Utility**  
**Collection System**



Buildings



Trees and Shrubbery

Note: All trees larger than 2" caliper are identified and documented in the Fort Hamilton Tree Inventory completed in July 1996.



Proposed Landscape Project Areas



SCALE IN FEET

Source: New York Area Command and Fort Hamilton



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**Figure 7**  
**Vegetation &**  
**Landscaping**

# AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1 2

2. AMENDMENT/MODIFICATION NO.

0004

3. EFFECTIVE DATE

04/01/99

4. REQUISITION/PURCHASE REQ. NO.

W16ROE-8323-0698

5. PROJECT NO. (If applicable)

DACA51-99-R-0006

SUED BY

CODE

e3p0500

7. ADMINISTERED BY (If other than Item 6)

CODE

E3P0000

CONTRACTING - CONTRACTS BRANCH

26 FEDERAL PLAZA

ROOM 1843

NEW YORK, NY 10278

Ina Ohrwaschel

C06 (212) 264-0154

CONTRACTING DIVISION

26 FEDERAL PLAZA

ROOM 1843

NEW YORK, NY 10278

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Vendor ID: 00000023

(X)

9A. AMENDMENT OF SOLICITATION NO.

DACA51-99-R-0006

X

9B. DATED (SEE ITEM 11)

12/01/98

10A. MODIFICATION OF CONTRACT/ORDER NO.

10B. DATED (SEE ITEM 13)

CODE

FACILITY CODE

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

## 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

☒ A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return        copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This is an amendment for Utility Privatization for Fort Hamilton, Brooklyn, New York as follows:

Proposals originally due on 2 April 1999 at 12:00 has been extended.  
A revised proposal due date will be determined in the near future.

Each offeror must acknowledge this amendment prior to the hour and date

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

BY

(Signature of Contracting Officer)

10-01-152-8070

EDITION UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

SF 30 CONTINUATION SHEET

pecified in the solicitation by: completing item 8 and 15 of this form and returning one copy of this amendment to this office, acknowledging receipt of this amendment on each copy of the offer submitted, or separate letter or telegram which includes a reference to the solicitation and amendment numbers. Failure to acknowledge any amendment by the date and time specified may result in rejection of your offer in accordance with the Late Bids, Late Modificaitns of Bids or Late Withdrawals of Bids (FAR 52.215-0010)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT						1. CONTRACT ID CODE		PAGE OF PAGES 181			
2. AMENDMENT/MODIFICATION NO. 0003			3. EFFECTIVE DATE 03/22/99		4. REQUISITION/PURCHASE REQ. NO. W16ROE-8323-0698			5. PROJECT NO. (If applicable) DACA51-99-R-0006			
7. ISSUED BY  CONTRACTING DIVISION 26 FEDERAL PLAZA ROOM 1843 NEW YORK, NY 10278 Ina Ohrwashel			CODE e3p0000		7. ADMINISTERED BY (If other than Item 6)			CODE			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Vendor ID:						(X)		9A. AMENDMENT OF SOLICITATION NO. DACA51-99-R-0006			
						X		9B. DATED (SEE ITEM 11) 12/01/98			
								10A. MODIFICATION OF CONTRACT/ORDER NO.			
								10B. DATED (SEE ITEM 13)			
CODE			FACILITY CODE								
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS											
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.											
12. ACCOUNTING AND APPROPRIATION DATA (if required)											
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.											
<input checked="" type="checkbox"/> A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.											
<input type="checkbox"/> B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).											
<input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:											
<input type="checkbox"/> D. OTHER (Specify type of modification and authority)											
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.											
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  Additional questions from various prospective offerors are included with the Government's answers for information purposes only. The due date for submission of proposals remains 2 April 1999 at 12:00 noon. Sealed offers in original and copies specified in section L must be received at 26 Federal Plaza, Room 1843 by that time. Each offeror must acknowledge this amendment prior to the hour and date specified in the solicitation by: completing items 8 and 15 of this form and returning one copy of this											
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.											
15A. NAME AND TITLE OF SIGNER (Type or print)						16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)					
8. CONTRACTOR/OFFEROR			15C. DATE SIGNED		16B. UNITED STATES OF AMERICA			16C. DATE SIGNED			
(Signature of person authorized to sign)					BY _____			(Signature of Contracting Officer)			

SF 30 CONTINUATION SHEET

amendment to this office, acknowledging receipt of this amendment on each copy of the offer submitted, or separate letter or telegram which includes a reference to the solicitation and amendment numbers. Failure to acknowledge any amendment by the date and time specified may result in rejection of your offer in accordance with the Late Bids, Late Modifications of Bids or Late Withdrawal of Bids (FAR 52.215-0010).

Change the effective date of amendment 0002 for this solicitation from "2/24/99" to "3/19/99".

In Paragraph B.2.2 after the words "preventive maintenance," add the following "meter ownership, meter installation, meter testing, meter reading, (usage data to Government),". Delete the third and fourth sentences.

Replace paragraph C.4.2 with the following "During the contract period Fort Hamilton will require the Contractor to install and connect service meters to all current and future building service locations on Fort Hamilton, NY. These secondary/service meters, which are for the sole benefit of the Government, will be owned, operated, maintained, calibrated, and read by the Contractor. The Contractor shall provide the meter usage data to the Government. The purpose of these meters is to monitor the consumption of energy and/or water at specific sites in order for the Government to accurately charge Army and non-Army tenants. Fort Hamilton will transfer ownership of its secondary/service meters when the Contractor assumes full ownership of the utility distribution system. The cost of such installations will be paid by the Contractor through the Annual Distribution Charge. See Paragraph B.2.2."

Replace the second sentence, beginning with the words "The adjustment shall be equal....." in paragraph C.6.1 with the following The equitable adjustment shall be defined as the average commodity usage (Average building consumption per hour over the past three (3) months from building meter data) (electricity[kWh], natural gas [mmbtu/therm/mcf], potable water [kgal], and/or wastewater [kgal/edu/% of potable water], multiplied by the aggregate outage time in the month, multiplied by the Government's average commodity charge for the commodity. Also to be included are other costs as deemed reasonable by the Government, including, but not limited to, spoiled food/material, wastewater/potable water damage clean up, relocation expense for personnel and/or materials, and expended fuel oil costs."

Delete paragraph H.21 in its entirety.

Add the following clause to Section I

652.241-10 -- Termination Liability (Feb 1995)

As prescribed in 41.501 (d) (4), insert a clause substantially the same as

the following:

Termination Liability (Feb 1995)

(a) If the Government discontinues utility service under this contract before completion of the facilities cost recovery period specified in paragraph (b) of this clause, in consideration of the Contractor furnishing and installing at its expense, the new facility described herein, the Government shall pay termination charges, calculated as set forth in this clause.

(b) Facility cost recovery period. The period of time, not exceeding the term of this contract, during which the net cost of the new facility shall be recovered by the Contractor is \_\_\_\_\_ months (To be negotiated).

(c) Net facility cost. The cost of the new facility, less the agreed upon salvage value of such facility, is \$\_\_\_\_\_. (To be determined).

(d) Monthly facility cost recovery rate. The monthly facility cost recovery rate which the Government shall pay the Contractor whether or not service is received is \$\_\_\_\_\_ (Subparagraph c divided by subparagraph b).

(e) Termination charges. Termination charges = \$\_\_\_\_\_. (The remaining months of the facility's cost recovery period [subparagraph (b)] multiplied by subparagraph (c)).

(f) If the Contractor has recovered its capital costs at the time of termination there will be no termination liability charge.

(End of Clause)

Add the following attachments to Section J:

Attachment I - Fort Hamilton Tenant List

Attachment J - Fort Hamilton Utility Bills

Attachment K - Fort Hamilton Utility service orders

QUESTIONS AND ANSWERS

FOR INFORMATION PURPOSES ONLY

Question: C.4.2 - Secondary Meters: Does the Government have a plan requiring installation of additional secondary meters?



Answer: The Government will require secondary meters for electric, natural gas, and potable water for all current and future buildings at Fort Hamilton. Paragraph C.4.2 will be revised.

Question: Please provide a copy of the current cable television contract.

Answer: The current cable television contract expires in a few weeks. It is available for review at the Fort Hamilton attorney's office, building 408 (718 630-4024/4004). Kent Reeder is the point of contact.

Question: "H.11.5 ... however, that the Contractor is in compliance with Section H.16.4 above. To the extent that other provisions of this contract require the Contractor to perform or re-perform work the Contractor shall only be responsible for those costs not attributable to the presence of Hazardous Substances."

Answer: The Contractor will not be responsible for costs attributable to the presence of pre-existing Hazardous Substances.

Question: Paragraph B.2.2/C.4 Page 2. How many service meters will be required? What kinds and capacities? How many and what kind and capacity (i.e. water, electric, gas) of new services will be required. How many and what kind and capacity of the services will be removed? Will there be any replacement and/or upgrade of existing services? Who will determine the kind and capacity of service to be installed?

Answer: A meter will be required for each building currently in existence. Future requirements for service installation/removal for new buildings will be determined by the Master Plan. Kind and capacity will be determined by the contractor. Replacement and/or upgrade of existing services will be determined by the contractor's assessment of requirements necessary to bring the specific system in question up to code.

Question: B.2.2 requires installation and connection of meters to be included in the Annual Distribution Charge while C.4.2 says the cost of additional meters will be paid by Fort Hamilton. C.8.3 requires connections and disconnections (which typically include setting or removing a meter) to be part of the Annual O&M Plan and included as part of the annual distribution cost. Please clarify. The Government probably would receive more economical proposals if service and meter installation and replacement are unit priced unless the requirement for new and replacement meters can be specified in some detail.

Answer: Installation and connection of meters will be included in the

Annual Distribution Charge. Paragraph C.8.3 refers to utility service connection/disconnections, which are handled separately from meters.

Question: Paragraph C.6.1, page 10: Please clarify how installed capacity will be established for water.

Answer: Paragraph C.6.1 has been revised to measure actual usage.

Question: Paragraph C.6.1, page 10, Please provide typical existing Government rates which would be used in this clause.

Answer: Government rates used for each utility service are generally equivalent to the standard commercial rate for any similar business in the locality.

Question: Paragraph H.2.3, Page 2. Since the contract is firm fixed-price in nature, what is the purpose of requiring details of planned and actual expenditures in the O&M plans. Each such increment of data reporting is a cost item making the requested service more expensive for the Government. Other provisions in the contract make the Contractor's reports available for auditing (H.5.2)

Answer: The information is needed for cost realism determinations.

Question: Paragraph H.8, page 5. FAR 52.241-10 is not in Section I.

Answer: FAR 52.241-10 will be added.

Question: Paragraph H.16.3, page 9. What are Operations Security (OPSEC) measures and who will notify the Contractor when they are to be implemented?

Answer: Refer to the Fort Hamilton Chief of Police, Rocco Mantile, (718 630-4678/4456) for current requirements. The cited measures change frequently.

Question: How can the transition plan include a schedule for ownership transfer when it is a Government action? Why does the Government give offerors the option of choosing when the transfer occurs? If transfer is after the contract is effective, will the Government pay them for service even though the transfer has not yet occurred?

Answer: The contractor will determine when personnel and facilities are in place to accept full liability and meet all technical requirements. It is the contractor's responsibility to ensure each utility system is compliant

with applicable codes. In order to minimize liability for systems, which are non-compliant, the Government maintains ownership until the contractor determines the systems are sufficiently safe to effect a transfer of ownership. The Government will pay for the service under another contract vehicle. This contract is concerned only with the system itself. The Government is required to pay the contract price in order to bring the system up to code.

Question: Could you provide an example of what an equitable adjustment would be as defined in Section C.6.1 outage liability.

Answer: The average commodity usage (3 months) multiplied by the aggregate outage time in the month, multiplied by the average commodity charge for the commodity. Refer to revised paragraph C.6.1.

Question: When does the current joint use agreement of poles expire with the CTV provider? What is the current arrangement?

Answer: The existing contract, including a joint use agreement, is currently being renegotiated and is expected to be finalized in the next few weeks.

Question: Provide the approximate numbers of service and secondary meters to be installed under the life of the contract.

Answer: The Government will require secondary meters for electric, natural gas, and potable water for all current and future buildings at Fort Hamilton. Paragraph C.4.2 will be revised.

Question: When and where were pressures listed in paragraph C.2.2.3.2 measured?

Answer: This information is an average indicator for the total Fort Hamilton system.

Question: Where are the five connection points to the City of New York System located (C.2.2.4.1)?

Answer: One is located at 7th Avenue and Cropsey Avenue. One is at 101st street and Fort Hamilton Parkway. One is located on Battery Avenue. Two are located on Poly Place.

Question: Please clarify the difference between secondary meter (C.4.2) and service meters (H.21)

Answer: There is no difference and H.21 will be deleted.

Question: How will Fort Hamilton pay for meters under C.4.2?

Answer: The charge will be included as part of the Annual Distribution Charge in paragraph B.2.2.

Question: Please define the right of first refusal. Are there any buy back provisions? Are there penalties, if any, for early withdrawal?

Answer: Refer to paragraph C.4.8 for detailed information regarding the procedures for the right of first offer and buy back provisions under specific circumstances. The question regarding penalties and early withdrawal would be covered under the termination for default provisions.

## SECTION J - ATTACHMENT I

TENANT	BLDG #	SQ FT
GUEST HOUSE	109	41,008
722 <sup>ND</sup> AERO MEDICAL STAGING SQUADRON	114 BASEMENT	5,997
US ARMY MEDICAL DEPARTMENT ACTIVITY (MEDDAC)	114 1 <sup>ST</sup> FL	12,421
AMMED	114 2 <sup>ND</sup> FL	4,017
METROPOLITAN RECRUITING/ BROOKLYN RECRUITING	114 2 <sup>ND</sup> FL	3,093
DIRECTORATE OF COMMUNITY AND FAMILY ACTIVITIES (DCFA)	113	9,067
MILITARY ENTRANCE PROCESSING STATION (MEPS)	116	52,051
AAFES POST EXCHANGE	123	40,755
COMMISSARY	124/125	23,970
AAFES GAS STATION	200	1,755
FT. HAMILTON COMMUNITY CLUB	207	
77 <sup>TH</sup> ARC	213	45,332
77 <sup>TH</sup> ARC	216	6,656
UNITED STATES POST OFFICE	301	1,534
CARLSON WAGONLIT TRAVEL	111	925
NYC RECRUITING BAT	407 1 <sup>ST</sup> & 2 <sup>ND</sup> FLOOR	14,080
NAVY CRIMINAL INVESTIGATIVE SERVICES	408 1 <sup>ST</sup> FL	1,985
DETACHMENT 427, NEW YORK (DIA)	408 1 <sup>ST</sup> FL	4,497

## SECTION J - ATTACHMENT I

TENANT	BLDG #	SQ FT
902 <sup>ND</sup> MI GROUP	408	2,204
NORTH ATLANTIC DIVISION	301/302	22,868
8 <sup>TH</sup> MEDICAL BRIGADE	408 2 <sup>ND</sup> & 3 <sup>RD</sup> FLOOR	15,776
NEW YORK FRAUD RESIDENCE AGENCY (CID)	408 1 <sup>ST</sup> FLOOR	3,595
NATIONAL GUARD	407 1 <sup>ST</sup> FLOOR	2830
NEW YORK POLICE DEPARTMENT	408 2 <sup>ND</sup> FLOOR	

## NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION



ACCOUNT NUMBER	BILL DATE	PAYMENT DUE BY	AMOUNT DUE	AMOUNT ENCLOSED
80004-09765-001	Sep 21, 1998	Oct 19, 1998	\$ 1,285,945.30	\$



Check for name/address  
change (See reverse side)

057C

031800040976500109211998001285945306

Make check payable to: NYC Water Board.  
Please send payment in the  
enclosed envelope to:

A Y4 W 120 8000409765001 A  
U. S. ARMY  
% MR. WAYNE MCGEE  
BUILDING 129,  
FORT HAMILTON, NY 11252

NYC WATER BOARD  
PO BOX 410, CHURCH STREET STATION  
NEW YORK, NY 10008-0410



PLEASE DETACH AND RETURN THIS PORTION WITH YOUR MAILED PAYMENT. PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

ACCOUNT NUMBER	BILL DATE	PAYMENT DUE BY	AMOUNT DUE	
80004-09765-001	Sep 21, 1998	Oct 19, 1998	\$ 1,285,945.30	

## BILLING INFORMATION

Previous bill - Nov 19, 1996 \$12,419,713.87  
Late Payment Charge - Dec 18, 1996 18,147.85  
LPC Adjustment - Sep 21, 1998 706,704.57-  
**PRIOR BALANCE 1,731,157.15**

Rebill

RATE: BASIC WATER AND SEWER

High flow dial  
Meter Number N15224335 From 6/18/93 To 6/30/94 Days 377  
Read type ACTUAL Prior Read 1856400 Current Read 1861900 Usage 5500 Cubic Feet  
5500 Cubic Feet = 55 Hundred Cubic Feet (HCF).

Low flow dial  
Meter Number N15224335 From 8/20/92 To 6/30/94 Days 679  
Read type ACTUAL Prior Read 1013100 Current Read 1681400 Usage 668300 Cubic Feet  
668300 Cubic Feet = 6683 Hundred Cubic Feet (HCF).

Total Usage 6738 HCF  
Water charge 6,805.38  
Sewer charge 10,820.55

Rebill

RATE: BASIC WATER AND SEWER

High flow dial  
Meter Number N15224335 From 6/30/94 To 6/30/96 Days 731  
Read type ACTUAL Prior Read 1861900 Current Read 1872400 Usage 10500 Cubic Feet  
10500 Cubic Feet = 105 Hundred Cubic Feet (HCF).

Low flow dial  
Meter Number N15224335 From 6/30/94 To 6/30/96 Days 731  
Read type ACTUAL Prior Read 1681400 Current Read 2400800 Usage 719400 Cubic Feet  
719400 Cubic Feet = 7194 Hundred Cubic Feet (HCF).

Total Usage 7299 HCF  
Water charge 7,554.42  
Sewer charge 12,011.54

## SECTION J - ATTACHMENT J

ACCOUNT NUMBER	BILL DATE	MENT DUE BY	AMOUNT DUE	
80004-09765-001	Sep 21, 1998	Oct 19, 1998	\$ 1,285.945.30	

Rebill

RATE: BASIC WATER AND SEWER

05805

High flow dial  
 Meter Number N15224335 From 6/30/96 To 1/14/98 Days 563  
 Read type ACTUAL Prior Read 1872400 Current Read 1880500 Usage 8100 Cubic Feet  
 8100 Cubic Feet = 81 Hundred Cubic Feet (HCF).

Low flow dial  
 Meter Number N15224335 From 6/30/96 To 1/14/98 Days 563  
 Read type ACTUAL Prior Read 2400800 Current Read 2954900 Usage 554100 Cubic Feet  
 554100 Cubic Feet = 5541 Hundred Cubic Feet (HCF).

Total Usage 5622 HCF  
 Water charge 6,491.00  
 Sewer charge 10,320.69

Cancellation from your 8/19/96 bill

RATE: BASIC WATER AND SEWER

Total Usage 787373 - HCF  
 Adjusted Charge 2,232,244.72-

Cancellation from your 5/20/96 bill

RATE: BASIC WATER AND SEWER

Total Usage 778715 - HCF  
 Adjusted Charge 2,137,884.16-

Cancellation from your 2/20/96 bill

RATE: BASIC WATER AND SEWER

Total Usage 821983 - HCF  
 Adjusted Charge 2,256,672.13-

Cancellation from your 11/17/95 bill

RATE: BASIC WATER AND SEWER

Total Usage 1574755 - HCF  
 Adjusted Charge 4,270,668.94-

Cancellation from your 5/19/95 bill

RATE: BASIC WATER AND SEWER

Total Usage 91663 - HCF  
 Adjusted Charge 239,781.24-

Rebill

RATE: BASIC WATER AND SEWER

High flow dial  
 Meter Number K97877793 From 1/14/98 To 8/20/98 Days 218  
 Read type ACTUAL Prior Read 0 Current Read 1000 Usage 1400 Cubic Feet  
 1400 Cubic Feet = 14 Hundred Cubic Feet (HCF).

Low flow dial  
 Meter Number K97877793 From 1/14/98 To 8/20/98 Days 218  
 Read type ACTUAL Prior Read 0 Current Read 214500 Usage 214500 Cubic Feet  
 214500 Cubic Feet = 2145 Hundred Cubic Feet (HCF).

Total Usage 2159 HCF  
 Water charge 2,616.05  
 Sewer charge 4,159.51

Rebill

RATE: BASIC WATER AND SEWER

High flow dial  
 Meter Number N15456837 From 1/25/94 To 6/30/94 Days 156  
 Read type ACTUAL Prior Read 314820000 Current Read 315045000 Usage 225000 Cubic Feet  
 225000 Cubic Feet = 2250 Hundred Cubic Feet (HCF).

Low flow dial  
 Meter Number N15456837 From 1/25/94 To 6/30/94 Days 156  
 Read type ACTUAL Prior Read 5301200 Current Read 5303500 Usage 2300 Cubic Feet  
 2300 Cubic Feet = 23 Hundred Cubic Feet (HCF).

Total Usage 2273 HCF  
 Water charge 2,295.73  
 Sewer charge 3,650.21

DACA51-99-R-0006

AMEND 0003

J-2 of 10



## SECTION J - ATTACHMENT J

ACCOUNT NUMBER	BILL DATE	MENT DUE BY	AMOUNT DUE	
80004-09765-001	Sep 21, 1998	Oct 19, 1998	\$ 1,285,945.30	

Rebill

RATE: BASIC WATER AND SEWER

0590

High flow dial  
 Meter Number N15456837 From 6/30/94 To 6/30/96 Days 731  
 Read type ACTUAL Prior Read 315045000 Current Read 316099000 Usage 1054200 Cubic Feet  
 1054200 Cubic Feet = 10542 Hundred Cubic Feet (HCF).

Low flow dial  
 Meter Number N15456837 From 6/30/94 To 6/30/96 Days 731  
 Read type ACTUAL Prior Read 5303500 Current Read 5314000 Usage 10500 Cubic Feet  
 10500 Cubic Feet = 105 Hundred Cubic Feet (HCF).

Total Usage 10647 HCF  
 Water charge 11,019.92  
 Sewer charge 17,521.67

Rebill

RATE: BASIC WATER AND SEWER

High flow dial  
 Meter Number N15456837 From 6/30/96 To 2/3/98 Days 583  
 Read type ACTUAL Prior Read 316100000 Current Read 316940000 Usage 840800 Cubic Feet  
 840800 Cubic Feet = 8408 Hundred Cubic Feet (HCF).

Low flow dial  
 Meter Number N15456837 From 6/30/96 To 2/3/98 Days 583  
 Read type ACTUAL Prior Read 5314000 Current Read 5322400 Usage 8400 Cubic Feet  
 8400 Cubic Feet = 84 Hundred Cubic Feet (HCF).

Total Usage 8492 HCF  
 Water charge 9,818.18  
 Sewer charge 15,610.90

Rebill

RATE: BASIC WATER AND SEWER - MINIMUM CHARGE

High flow dial  
 Meter Number K97877794 From 2/3/98 To 7/30/98 Days 177  
 Read type ACTUAL Prior Read 0 Current Read 1000 Usage 1000 Cubic Feet  
 1000 Cubic Feet = 10 Hundred Cubic Feet (HCF).

Low flow dial  
 Meter Number K97877794 From 2/3/98 To 7/30/98 Days 177  
 Read type ACTUAL Prior Read 0 Current Read 1500 Usage 1500 Cubic Feet  
 1500 Cubic Feet = 15 Hundred Cubic Feet (HCF).

Total Usage 25 HCF  
 Water charge 30.39  
 Sewer charge 48.32

Cancellation from your 8/19/96 bill

RATE: BASIC WATER AND SEWER

Total Usage 9570-HCF  
 Adjusted Charge 27,131.30-

Cancellation from your 2/20/96 bill

RATE: BASIC WATER AND SEWER

Total Usage 9988-HCF  
 Adjusted Charge 27,421.06-

Cancellation from your 5/20/96 bill

RATE: BASIC WATER AND SEWER

Total Usage 9460-HCF  
 Adjusted Charge 25,971.48-

Cancellation from your 11/17/95 bill

RATE: BASIC WATER AND SEWER

Total Usage 19149-HCF  
 Adjusted Charge 51,931.10-

Cancellation from your 5/19/95 bill

RATE: BASIC WATER AND SEWER

Total Usage 49892-HCF  
 Adjusted Charge 130,512.48-

DACA51-99-R-0006

AMEND 0003

J-3 of 10

## SECTION J - ATTACHMENT J

ACCOUNT NUMBER	BILL DATE	PAIDMENT DUE BY	AMOUNT DUE	
80004-09765-001	Sep 21, 1998	Oct 19, 1998	\$ 1,285,945.30	

Rebill  
RATE: BASIC WATER AND SEWER

06006

High flow dial  
Meter Number B15437671 From 8/25/92 To 6/30/94 Days 674  
Read type ACTUAL Prior Read 0 Current Read 5126000 Usage 5126800 Cubic Feet  
5126800 Cubic Feet = 51268 Hundred Cubic Feet (HCF).

Low flow dial  
Meter Number B15437671 From 8/25/92 To 6/30/94 Days 674  
Read type ACTUAL Prior Read 855800 Current Read 3173300 Usage 2317500 Cubic Feet  
2317500 Cubic Feet = 23175 Hundred Cubic Feet (HCF).

Total Usage 74443 HCF  
Water charge 75,187.43  
Sewer charge 119,548.01

Rebill  
RATE: BASIC WATER AND SEWER

High flow dial  
Meter Number B15437671 From 6/30/94 To 6/30/96 Days 731  
Read type ACTUAL Prior Read 5127000 Current Read 10687000 Usage 5560400 Cubic Feet  
5560400 Cubic Feet = 55604 Hundred Cubic Feet (HCF).

Low flow dial  
Meter Number B15437671 From 6/30/94 To 6/30/96 Days 731  
Read type ACTUAL Prior Read 3173300 Current Read 5686700 Usage 2513400 Cubic Feet  
2513400 Cubic Feet = 25134 Hundred Cubic Feet (HCF).

Total Usage 80738 HCF  
Water charge 83,566.19  
Sewer charge 132,870.25

Rebill  
RATE: BASIC WATER AND SEWER

High flow dial  
Meter Number B15437671 From 6/30/96 To 4/2/98 Days 641  
Read type ACTUAL Prior Read 10688000 Current Read 15563000 Usage 4875800 Cubic Feet  
4875800 Cubic Feet = 48758 Hundred Cubic Feet (HCF).

Low flow dial  
Meter Number B15437671 From 6/30/96 To 4/2/98 Days 641  
Read type ACTUAL Prior Read 5686700 Current Read 7890700 Usage 2204000 Cubic Feet  
2204000 Cubic Feet = 22040 Hundred Cubic Feet (HCF).

Total Usage 70798 HCF  
Water charge 82,135.31  
Sewer charge 130,595.15

Rebill  
RATE: BASIC WATER AND SEWER

High flow dial  
Meter Number K97670127 From 4/2/98 To 8/25/98 Days 145  
Read type ACTUAL Prior Read 0 Current Read 1103000 Usage 1103000 Cubic Feet  
1103000 Cubic Feet = 11030 Hundred Cubic Feet (HCF).

Low flow dial  
Meter Number K97670127 From 4/2/98 To 8/25/98 Days 145  
Read type ACTUAL Prior Read 0 Current Read 498500 Usage 498500 Cubic Feet  
498500 Cubic Feet = 4985 Hundred Cubic Feet (HCF).

Total Usage 16015 HCF  
Water charge 19,527.20  
Sewer charge 31,048.25

Rebill  
RATE: BASIC WATER AND SEWER

High flow dial  
Meter Number K94609512 From 7/30/92 To 6/30/94 Days 700  
Read type ACTUAL Prior Read 2028000 Current Read 3864000 Usage 1836100 Cubic Feet  
1836100 Cubic Feet = 18361 Hundred Cubic Feet (HCF).

Total Usage 18361 HCF  
Water charge 18,544.61  
Sewer charge 29,485.93

# SECTION J - ATTACHMENT J

ACCOUNT NUMBER	BILL DATE	MENT DUE BY	AMOUNT DUE
80004-09765-001	Sep 21, 1998	Oct 19, 1998	\$ 1,285,945.30

Rebill

**RATE:** BASIC WATER AND SEWER

High flow dial

Meter Number K94609512 From 6/30/94 To 6/30/96 Days 731  
Read type ACTUAL Prior Read 3865000 Current Read 5782000 Usage 1917400 Cubic Feet

1917400 Cubic Feet = 19174 Hundred Cubic Feet (HCF).

Total Usage 19174 HCF  
Water charge 19,845.62  
Sewer charge 31,554.54

12511

Rebill

**RATE:** BASIC WATER AND SEWER

High flow dial

Meter Number K94609512 From 6/30/96 To 6/30/98 Days 730  
Read type ACTUAL Prior Read 5782000 Current Read 7696000 Usage 1914800 Cubic Feet

1914800 Cubic Feet = 19148 Hundred Cubic Feet (HCF).

Total Usage 19148 HCF  
Water charge 22,307.30  
Sewer charge 35,468.60

Rebill

**RATE:** BASIC WATER AND SEWER

High flow dial

Meter Number K94609512 From 6/30/98 To 7/30/98 Days 30  
Read type ACTUAL Prior Read 7697000 Current Read 7775000 Usage 78700 Cubic Feet

78700 Cubic Feet = 787 Hundred Cubic Feet (HCF).

Total Usage 787 HCF  
Water charge 983.75  
Sewer charge 1,564.16

This bill reflects payments processed before Sep 21, 1998.

Total amount due \$1,285,945.30

**PLEASE PAY THIS AMOUNT \$1,285,945.30**

Please see the back of the bill for an explanation of the rates.

Service Address:

9275 FT HAMILTON PY  
BROOKLYN NY 11209-7115

Please direct correspondence or calls to:

DEP/BWEC CUSTOMER SERVICE  
C.S. 739055  
ELMHURST, NY 11373-9055  
(718) 595-7000

DACA51-99-R-0006

AMEND 0003

J- 5 OF 10

## NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION



ACCOUNT NUMBER	BILL DATE	PAYMENT DUE BY	AMOUNT DUE	AMOUNT ENCLOSED
80004-09765-001	Sep 22, 1998	Oct 20, 1998	\$ 1,432,789.83	\$



Check for name/address  
change (See reverse side)

00100

031800040976500109221998001432789838

Make check payable to: NYC Water Board.  
Please send payment in the  
enclosed envelope to:

NYC WATER BOARD  
PO BOX 410, CHURCH STREET STATION  
NEW YORK, NY 10008-0410

A Y4 U 000 8000409765001 A  
U. S. ARMY  
% MR. WAYNE MCGEE  
BUILDING 129,  
FORT HAMILTON, NY 11252



PLEASE DETACH AND RETURN THIS PORTION WITH YOUR MAILED PAYMENT. PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

ACCOUNT NUMBER	BILL DATE	PAYMENT DUE BY	AMOUNT DUE	
80004-09765-001	Sep 22, 1998	Oct 20, 1998	\$ 1,432,789.83	

## BILLING INFORMATION

PRIOR BALANCE 1,285,945.30

Rebill  
RATE: BASIC WATER AND SEWER

Low flow dial  
Meter Number K94609512 From 7/30/92 To 6/30/94 Days 700  
Read type ACTUAL Prior Read 1026900 Current Read 2714600 Usage 1687700 Cubic Feet  
1687700 Cubic Feet = 16877 Hundred Cubic Feet (HCF).  
Total Usage 16877 HCF  
Water charge 17,045.77  
Sewer charge 27,102.77

Rebill  
RATE: BASIC WATER AND SEWER

Low flow dial  
Meter Number K94609512 From 6/30/94 To 6/30/96 Days 731  
Read type ACTUAL Prior Read 2714600 Current Read 4477100 Usage 1762500 Cubic Feet  
1762500 Cubic Feet = 17625 Hundred Cubic Feet (HCF).  
Total Usage 17625 HCF  
Water charge 18,242.28  
Sewer charge 29,005.22

Rebill  
RATE: BASIC WATER AND SEWER

Low flow dial  
Meter Number K94609512 From 6/30/96 To 6/30/98 Days 730  
Read type ACTUAL Prior Read 4477100 Current Read 6237200 Usage 1760100 Cubic Feet  
1760100 Cubic Feet = 17601 Hundred Cubic Feet (HCF).  
Total Usage 17601 HCF  
Water charge 20,504.93  
Sewer charge 32,602.85

Rebill  
RATE: BASIC WATER AND SEWER

Low flow dial  
Meter Number K94609512 From 6/30/98 To 7/30/98 Days 30  
Read type ACTUAL Prior Read 6237200 Current Read 6309500 Usage 72300 Cubic Feet  
72300 Cubic Feet = 723 Hundred Cubic Feet (HCF).  
Total Usage 723 HCF  
Water charge 903.75  
Sewer charge 1,436.96

This bill reflects payments processed before Sep 22, 1998.

Total amount due \$1,432,789.83

PLEASE PAY THIS AMOUNT \$1,432,789.83

Please see the back of the bill for an explanation of the rates.

DACA51-99-R-0006

AMEND 0003

J-6 OF 10

## SECTION J - ATTACHMENT J

ACCOUNT NUMBER	BILL DATE	PAYMENT DUE BY	AMOUNT DUE
80004-09765-001	Sep 22, 1998	Oct 20, 1998	\$ 1,432,789.83

Service Address:  
9275 FT HAMILTON PY  
BROOKLYN NY 11209-7115

Please direct correspondence or calls to:  
DEP/BWEC CUSTOMER SERVICE  
C.S. 739055  
ELMHURST, NY 11373-9055  
(718) 595-7000

06606

Andy

One MetroTech Center  
 Brooklyn, New York 11201  
 718 270-5953  
 718 385-3197 Fax

October 19, 1998

**Nicholas M. Russak, P.E.**  
 Senior Governmental Account Executive  
 Sales & Account Management

Mr. Andrew Ruppert, Assistant Director  
 Public Works Division - Building # 129  
 New York Area Command and Fort Hamilton  
 Brooklyn, New York 11252-6015

Re: Letter of Agreement

Dear Mr. Ruppert:

We would like to extend our appreciation to you and your staff for providing Brooklyn Union with assistance to secure vital data that was used to estimate "unmetered" gas in 26 buildings during FY/98.

A copy of the methodology used to arrive at a reasonable estimate for the 26 "unmetered" accounts are submitted in Attachment "A". We hope that you will concur with our engineering analysis for deriving gas consumption for each of these buildings.

Attachment "B" details the monthly gas consumption with associated amounts due to Brooklyn Union for "metered" and "unmetered" accounts covering the period of 1 October 1997 through 30 September 1998. A summary of the amounts due to Brooklyn Union is tabulated below for your review and acceptance:

	<u>Account</u>	<u>Consumption (Therms)</u>	<u>Amount Due (\$)</u>
Metered	20487/20340	570	753.33
Metered	20487/20370	24,202	20,847.77
Metered	20487/20401	149,409	95,520.78
Unmetered	20487/20411	260,514	213,883.33
	<b>TOTAL</b>	<b>434,695</b>	<b>\$ 331,005.21</b>

Upon full payment of \$331,005.21, which will come from Military District-Washington funds, we will prepare a statement of the moneys due to Brooklyn Union from Ft. Dix, which will cover the period to 1 October 1997. We will request your assistance in our efforts to expedite the collection of this payment from Ft. Dix.

⊗

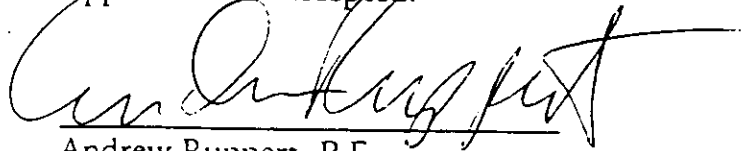
Brooklyn Union is presently accelerating procedures to quickly install meters at 26 "unmetered" building in Ft. Hamilton. When we have completed a 12-month history of metered consumption in these building, we will compare this metered consumption with the estimated consumption of 260,514 Therms. When the comparison is complete, we would expect that both parties will negotiate a mutually agreeable settlement of any discrepancy, whether it favors Ft. Hamilton or Brooklyn Union. Upon conclusion of this negotiation, the master meters will be removed and all future billing will be based on individual meter readings.

Please acknowledge your agreement with the foregoing by signing this Letter of Agreement where indicated below.

Sincerely,



Approved and Accepted:



Andrew Ruppert, P.E.  
Assistant Director  
Public Works Division

cc: Wayne McGee, Ft. Hamilton  
David Mirabella, BU  
Joseph Occhiogrosso, BU  
Leola Aiello, BU  
Margaret Dugan, BU  
John Cooney, BU

## SECTION J - ATTACHMENT J



Customer Operations

Statement of Account for:  
US ARMY FT HAMILTON  
CROPSEY AVENUE & 7 AVE  
BROOKLYN 11232

Account Number:  
69-5109-0937-0000-2

9/23/98

## ELECTRIC BILLS

## PAYMENTS

EL9-General large						Security Deposit: \$0.00	
Active Meters: 7							
Date	Rdg Type	Days	KWH Usage	KW Dmd	Amount	Date	Amount
9/14/98	ACT	32	1435200	2778.00	\$159,849.29	8/27/98	\$63,950.56
8/13/98	ACT	29	1387200	2872.00	\$156,214.06	8/26/98	\$136,858.02
7/15/98	ACT	30	1233600	2472.00	\$136,858.02	8/26/98	\$98,224.36
6/15/98	ACT	32	988800	2100.00	\$98,224.36	8/26/98	\$63,950.56
5/14/98	ACT	29	811200	1584.00	\$62,124.53	5/29/98	\$121,735.58
4/15/98	ACT	29	854400	1572.00	\$66,415.42	4/23/98	\$72,116.39
3/17/98	ACT	32	936000	1572.00	\$72,115.39	3/2/98	\$265,737.00
2/13/98	ACT	30	902400	1864.00	\$73,466.19	1/9/98	\$102,454.69
1/14/98	ACT	30	998400	1548.00	\$78,984.82	10/6/97	\$136,111.50
12/15/97	ACT	33	940800	1844.00	\$81,074.79		
11/12/97	ACT	33	955200	1920.00	\$80,670.70		
10/10/97	ACT	29	931200	2280.00	\$102,454.70		
9/11/97	ACT	30	1166400	2560.00	\$136,111.50		

Summary Balance  
brought forward

9/11/97 (\$0.01)

## Charges

Electric Bills Prepared \$1,304,563.77  
Gas Bills Prepared \$0.00  
Transfer Charges \$0.00  
Debit Adjustments \$0.00  
Late Payment Charges \$13,081.22

Total Charges  
Total Debits

\$1,317,644.99  
\$1,317,644.98

## Credits

Payments \$1,061,137.66  
Transfers \$0.00  
Credit Adjustments \$0.00  
Late Payment Credits \$0.00

Total Credits

\$1,061,137.66

Balance Due Company

\$256,507.32



SECTION J - ATTACHMENT K

C MAR-1999 12:23

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: STSW2  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: 1p1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:23

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CURR WORK STAT
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:23

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: STSW4  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: lp1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:23

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CURR WORK STAT
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END OF REPORT

SECTION J - ATTACHMENT K

00-MAR-1999 12:23

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: STSW1  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: 1p1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:23

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CURR WORK STAT
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:23

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: STSW5  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: 1p1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:23

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CURR WORK STAT
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END OF REPORT



SECTION J - ATTACHMENT K

C MAR-1999 12:24

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: GASM3  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: 1p1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:24

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CURR WORK STAT
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:24

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: SNSW1  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: lp1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:24

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 1

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CUR: WOR: STA:
ENV 00014	8 J HAM	SNSW1			SEWER STUDY		ENV

END OF REPORT

SECTION J - ATTACHMENT K

C MAR-1999 12:24

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: SNSW3  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: 1p1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:24

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND:

0

DOCUMENT  
NUMBER

INSTL  
ABBR

FAC  
NO

FH PRTN  
QTRS NO

SHORT JOB DESC

WR  
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CURR  
WORK  
STAT

END OF REPORT

SECTION J - ATTACHMENT K

IAR-1999 12:24

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: GASMS  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: lp1

CEFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:24

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CUR: WOR: STA'
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END OF REPORT



SECTION J - ATTACHMENT K

MAR-1999 12:25

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: SNSW4  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: 1p1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

00-MAR-1999 12:25

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CURR WORK STAT
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:25

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: SNSW2  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: 1p1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:25

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CURI WORL STAL
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:25

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: GASM2  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: 1p1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:25

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CUR WOR STA
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END OF REPORT

SECTION J - ATTACHMENT K

( IAR-1999 12:25

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: GASM1  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: lp1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:25

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CUR WOR STA
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END OF REPORT



SECTION J - ATTACHMENT K

MAR-1999 12:25

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM  
CUSTOMER IDENTIFICATION:  
DOCUMENT SERIAL NUMBER:

FISCAL YEAR:  
DOCUMENT TYPE:

RPF INSTALLATION ABBREVIATION: HAM  
FACILITY NUMBER: GASM4  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:

WORK REQUEST PRIORITY:  
CURRENT APPROVAL ACTION CODE:  
CURRENT WORK STATUS CODE:  
SPECIAL INTEREST CODE:  
PROGRAM INDICATOR CODE:  
PROGRAM CATEGORY CODE:  
CREATION DATE: FROM

WORKCLASS CODE:

TO

ADDRESSABLE PRINTER ID: lp1

OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:25

WORK REQUEST QUERY

PCN AKJ-011  
SCREEN ID: WRQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FH QTRS	PRTN NO	SHORT JOB DESC	WR PRI	CURR WORL STAT
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:08

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM	TASK CODE:
CUSTOMER IDENTIFICATION:	SHOP CODE:
FISCAL YEAR:	WORKCLASS CODE:
SERVICE ORDER PRIORITY:	
RPF INSTALLATION ABBREVIATION:	
FACILITY NUMBER: WTRM1	
STREET ADDRESS:	
FAM HOUS QTRS NUMBER:	
RPF PARTITION NUMBER:	
ASSIGNED UNIT ID:	
SPECIAL INTEREST CODE:	
CURRENT WORK STATUS CODE:	
CREATION DATE: FROM	TO
ADDRESSABLE PRINTER ID: 1p1	OFFLINE ONLY: X

Service Order

## SECTION J - ATTACHMENT K

9-MAR-1999 12:08

## SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

0

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 2

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- UID	PRTN NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
DPW 01183 9 R HAM		WTRM1		A	GENERAL PLUMBING WORK FORT HAMILTON BROOKLYN	CMP	003
DPW 01203 9 R HAM		WTRM1		A	WATER LINE-RPR LEAK FORT HAMILTON BROOKLYN	CMP	003

END OF REPORT

## SECTION J - ATTACHMENT K

09-MAR-1999 12:09

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 1

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- UID	PRTN NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
DPW 01269 9 R HAM		WTRM2		A	GENERAL PLUMBING WORK FORT HAMILTON BROOKLYN	CMP	003

END OF REPORT

SECTION J - ATTACHMENT K

07 MAR-1999 12:11

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION:	HAM	TASK CODE:	
CUSTOMER IDENTIFICATION:		SHOP CODE:	
FISCAL YEAR:		WORKCLASS CODE:	
SERVICE ORDER PRIORITY:			
RPF INSTALLATION ABBREVIATION:			
FACILITY NUMBER:	WTRM3		
STREET ADDRESS:			
FAM HOUS QTRS NUMBER:			
RPF PARTITION NUMBER:			
ASSIGNED UNIT ID:			
SPECIAL INTEREST CODE:			
CURRENT WORK STATUS CODE:			
CREATION DATE:	FROM	TO	
ADDRESSABLE PRINTER ID:	lp1	OFFLINE ONLY:	X

## SECTION J - ATTACHMENT K

PCN AKJ-010

SCREEN ID: SOQ02

09-MAR-1999 12:11

SERVICE ORDER QUERY

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

0 AR-1999 12:12

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM                      TASK CODE:  
CUSTOMER IDENTIFICATION:                                  SHOP CODE:  
FISCAL YEAR:    WORKCLASS CODE:

SERVICE ORDER PRIORITY:  
RPF INSTALLATION ABBREVIATION:  
FACILITY NUMBER: STSW3

STREET ADDRESS:  
FAM HOUS QTRS NUMBER:  
RPF PARTITION NUMBER:  
ASSIGNED UNIT ID:  
SPECIAL INTEREST CODE:  
CURRENT WORK STATUS CODE:  
CREATION DATE: FROM

TO

ADDRESSABLE PRINTER ID: 1p1

OFFLINE ONLY: X



## SECTION J - ATTACHMENT K

09-MAR-1999 12:12

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

C 1AR-1999 12:13

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM	TASK CODE:
CUSTOMER IDENTIFICATION:	SHOP CODE:
FISCAL YEAR:	WORKCLASS CODE:
SERVICE ORDER PRIORITY:	
RPF INSTALLATION ABBREVIATION:	
FACILITY NUMBER: STSW2	
STREET ADDRESS:	
FAM HOUS QTRS NUMBER:	
RPF PARTITION NUMBER:	
ASSIGNED UNIT ID:	
SPECIAL INTEREST CODE:	
CURRENT WORK STATUS CODE:	
CREATION DATE: FROM	TO
ADDRESSABLE PRINTER ID: 1p1	OFFLINE ONLY: X

## SECTION J - ATTACHMENT K

06 MAR-1999 12:13

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK SHP STAT CD
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:13

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION:	HAM	TASK CODE:
CUSTOMER IDENTIFICATION:		SHOP CODE:
FISCAL YEAR:		WORKCLASS CODE:
SERVICE ORDER PRIORITY:		
RPF INSTALLATION ABBREVIATION:		
FACILITY NUMBER:	STSW5	
STREET ADDRESS:		
FAM HOUS QTRS NUMBER:		
RPF PARTITION NUMBER:		
ASSIGNED UNIT ID:		
SPECIAL INTEREST CODE:		
CURRENT WORK STATUS CODE:		
CREATION DATE:	FROM	TO
ADDRESSABLE PRINTER ID:	lp1	OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:13

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

07-MAR-1999 12:13

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM	TASK CODE:
CUSTOMER IDENTIFICATION:	SHOP CODE:
FISCAL YEAR:	WORKCLASS CODE:
SERVICE ORDER PRIORITY:	
RPF INSTALLATION ABBREVIATION:	
FACILITY NUMBER: STSW1	
STREET ADDRESS:	
FAM HOUS QTRS NUMBER:	
RPF PARTITION NUMBER:	
ASSIGNED UNIT ID:	
SPECIAL INTEREST CODE:	
CURRENT WORK STATUS CODE:	
CREATION DATE: FROM	TO
ADDRESSABLE PRINTER ID: 1p1	OFFLINE ONLY: X

SECTION J - ATTACHMENT K

00 MAR-1999 12:13

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SQ02

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:14

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION:	HAM	TASK CODE:
CUSTOMER IDENTIFICATION:		SHOP CODE:
FISCAL YEAR:		WORKCLASS CODE:
SERVICE ORDER PRIORITY:		
RPF INSTALLATION ABBREVIATION:		
FACILITY NUMBER:	STSW4	
STREET ADDRESS:		
FAM HOUS QTRS NUMBER:		
RPF PARTITION NUMBER:		
ASSIGNED UNIT ID:		
SPECIAL INTEREST CODE:		
CURRENT WORK STATUS CODE:		
CREATION DATE:	FROM	TO
ADDRESSABLE PRINTER ID:	1p1	OFFLINE ONLY: X



SECTION J - ATTACHMENT K

00-MAR-1999 12:14

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

00-MAR-1999 12:14

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION:	HAM	TASK CODE:
CUSTOMER IDENTIFICATION:		SHOP CODE:
FISCAL YEAR:		WORKCLASS CODE:
SERVICE ORDER PRIORITY:		
RPF INSTALLATION ABBREVIATION:		
FACILITY NUMBER:	SNSW1	
STREET ADDRESS:		
FAM HOUS QTRS NUMBER:		
RPF PARTITION NUMBER:		
ASSIGNED UNIT ID:		
SPECIAL INTEREST CODE:		
CURRENT WORK STATUS CODE:		
CREATION DATE:	FROM	TO
ADDRESSABLE PRINTER ID:	1p1	OFFLINE ONLY: X

SECTION J = ATTACHMENT K

09-MAR-1999 12:14

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:15

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM	TASK CODE:
CUSTOMER IDENTIFICATION:	SHOP CODE:
FISCAL YEAR:	WORKCLASS CODE:
SERVICE ORDER PRIORITY:	
RPF INSTALLATION ABBREVIATION:	
FACILITY NUMBER: SNSW4	
STREET ADDRESS:	
FAM HOUS QTRS NUMBER:	
RPF PARTITION NUMBER:	
ASSIGNED UNIT ID:	
SPECIAL INTEREST CODE:	
CURRENT WORK STATUS CODE:	
CREATION DATE: FROM	TO
ADDRESSABLE PRINTER ID: 1p1	OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:15

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SQ02

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

09-MAR-1999 12:15

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION:	HAM	TASK CODE:
CUSTOMER IDENTIFICATION:		SHOP CODE:
FISCAL YEAR:		WORKCLASS CODE:
SERVICE ORDER PRIORITY:		
RPF INSTALLATION ABBREVIATION:		
FACILITY NUMBER:	GASM2	
STREET ADDRESS:		
FAM HOUS QTRS NUMBER:		
RPF PARTITION NUMBER:		
ASSIGNED UNIT ID:		
SPECIAL INTEREST CODE:		
CURRENT WORK STATUS CODE:		
CREATION DATE:	FROM	TO
ADDRESSABLE PRINTER ID:	lp1	OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:15

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:15

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM	TASK CODE:
CUSTOMER IDENTIFICATION:	SHOP CODE:
FISCAL YEAR:	WORKCLASS CODE:
SERVICE ORDER PRIORITY:	
RPF INSTALLATION ABBREVIATION:	
FACILITY NUMBER: SNSW3	
STREET ADDRESS:	
FAM HOUS QTRS NUMBER:	
RPF PARTITION NUMBER:	
ASSIGNED UNIT ID:	
SPECIAL INTEREST CODE:	
CURRENT WORK STATUS CODE:	
CREATION DATE: FROM	TO
ADDRESSABLE PRINTER ID: lp1	OFFLINE ONLY: X



SECTION J - ATTACHMENT K

09-MAR-1999 12:15

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

4AR-1999 12:15

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM	TASK CODE:
CUSTOMER IDENTIFICATION:	SHOP CODE:
FISCAL YEAR:	WORKCLASS CODE:
SERVICE ORDER PRIORITY:	
RPF INSTALLATION ABBREVIATION:	
FACILITY NUMBER: SNSW2	
STREET ADDRESS:	
FAM HOUS QTRS NUMBER:	
RPF PARTITION NUMBER:	
ASSIGNED UNIT ID:	
SPECIAL INTEREST CODE:	
CURRENT WORK STATUS CODE:	
CREATION DATE: FROM	TO
ADDRESSABLE PRINTER ID: 1p1	OFFLINE ONLY: X

## SECTION J - ATTACHMENT K

MAR-1999 12:15

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 1

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
DPW 07610 8 R HAM		SNSW2		GENERAL PLUMBING WORK	CMP	003

END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:15

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION:	HAM	TASK CODE:
CUSTOMER IDENTIFICATION:		SHOP CODE:
FISCAL YEAR:		WORKCLASS CODE:
SERVICE ORDER PRIORITY:		
RPF INSTALLATION ABBREVIATION:		
FACILITY NUMBER:	GASM1	
STREET ADDRESS:		
FAM HOUS QTRS NUMBER:		
RPF PARTITION NUMBER:		
ASSIGNED UNIT ID:		
SPECIAL INTEREST CODE:		
CURRENT WORK STATUS CODE:		
CREATION DATE:	FROM	TO
ADDRESSABLE PRINTER ID:	lp1	OFFLINE ONLY: X

## SECTION J - ATTACHMENT K

00-MAR-1999 12:15

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

C AR-1999 12:16

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM	TASK CODE:
CUSTOMER IDENTIFICATION:	SHOP CODE:
FISCAL YEAR:	WORKCLASS CODE:
SERVICE ORDER PRIORITY:	
RPF INSTALLATION ABBREVIATION:	
FACILITY NUMBER: SNSW5	
STREET ADDRESS:	
FAM HOUS QTRS NUMBER:	
RPF PARTITION NUMBER:	
ASSIGNED UNIT ID:	
SPECIAL INTEREST CODE:	
CURRENT WORK STATUS CODE:	
CREATION DATE: FROM	TO
ADDRESSABLE PRINTER ID: lp1	OFFLINE ONLY: X

SECTION J - ATTACHMENT K

07 MAR-1999 12:16

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

MAR-1999 12:17

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM	TASK CODE:
CUSTOMER IDENTIFICATION:	SHOP CODE:
FISCAL YEAR:	WORKCLASS CODE:
SERVICE ORDER PRIORITY:	
RPF INSTALLATION ABBREVIATION:	
FACILITY NUMBER: GASM3	
STREET ADDRESS:	
FAM HOUS QTRS NUMBER:	
RPF PARTITION NUMBER:	
ASSIGNED UNIT ID:	
SPECIAL INTEREST CODE:	
CURRENT WORK STATUS CODE:	
CREATION DATE: FROM	TO
ADDRESSABLE PRINTER ID: 1p1	OFFLINE ONLY: X



SECTION J - ATTACHMENT K

PCN AKJ-010

SCREEN ID: SOQ02

06 MAR-1999 12:17

SERVICE ORDER QUERY

CREATION DATE: FROM TO TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

09-MAR-1999 12:17

SERVICE ORDER QUERY

PCN AKJ-01C  
SCREEN ID: SOQ01

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION:	HAM	TASK CODE:
CUSTOMER IDENTIFICATION:		SHOP CODE:
FISCAL YEAR:		WORKCLASS CODE:
SERVICE ORDER PRIORITY:		
RPF INSTALLATION ABBREVIATION:		
FACILITY NUMBER:	GASM5	
STREET ADDRESS:		
FAM HOUS QTRS NUMBER:		
RPF PARTITION NUMBER:		
ASSIGNED UNIT ID:		
SPECIAL INTEREST CODE:		
CURRENT WORK STATUS CODE:		
CREATION DATE:	FROM	TO
ADDRESSABLE PRINTER ID:	lp1	OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:17

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: C

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

SECTION J - ATTACHMENT K

09-MAR-1999 12:17

SERVICE ORDER QUERY

PCN AKJ-01  
SCREEN ID: SOQ0

ENTER AT LEAST ONE SELECTION AND PRESS <EXECUTE QUERY>

REQ INSTALLATION ABBREVIATION: HAM	TASK CODE:
CUSTOMER IDENTIFICATION:	SHOP CODE:
FISCAL YEAR:	WORKCLASS CODE:
SERVICE ORDER PRIORITY:	
RPF INSTALLATION ABBREVIATION:	
FACILITY NUMBER: GASM4	
STREET ADDRESS:	
FAM HOUS QTRS NUMBER:	
RPF PARTITION NUMBER:	
ASSIGNED UNIT ID:	
SPECIAL INTEREST CODE:	
CURRENT WORK STATUS CODE:	
CREATION DATE: FROM	TO
ADDRESSABLE PRINTER ID: 1p1	OFFLINE ONLY: X

SECTION J - ATTACHMENT K

09-MAR-1999 12:17

SERVICE ORDER QUERY

PCN AKJ-010  
SCREEN ID: SOQ02

CREATION DATE: FROM

TO

TOTAL RECORDS FOUND: 0

DOCUMENT NUMBER	INSTL ABBR	FAC NO	FHQ/ ASG- PRTN UID NO	SHORT JOB DESC/ STREET ADDRESS	CURR WORK STAT	SHP CD
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END OF REPORT

# AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES  
1 245

2. AMENDMENT/MODIFICATION NO.

0002

3. EFFECTIVE DATE

02/24/99

4. REQUISITION/PURCHASE REQ. NO.

W16ROE-8323-0698

5. PROJECT NO. (If applicable)

DACA51-99-R-0006

SUED BY

CODE

e3p0000

7. ADMINISTERED BY (If other than Item 6)

CODE

CONTRACTING DIVISION  
26 FEDERAL PLAZA  
ROOM 1843  
NEW YORK, NY 10278  
Ina Ohrwassel

C06 (212) 264-0154

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Vendor ID: 00000023

(X)

9A. AMENDMENT OF SOLICITATION NO.

DACA51-99-R-0006

X

9B. DATED (SEE ITEM 11)

12/01/98

10A. MODIFICATION OF CONTRACT/ORDER NO.

10B. DATED (SEE ITEM 13)

CODE

FACILITY CODE

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

## 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Changes to subject solicitation are listed in the attached pages. Numerous questions from various prospective offerors are included with the Government's answers for information purposes only. The due date for submission of proposals is extended to 2 April 1999 at 12:00 noon. Sealed offers in original and copies specified in section L must be received at 26 Federal Plaza, Room 1843 by that time. Each offeror must acknowledge this amendment prior to the hour and date specified in the solicitation by; completing items 8 and 15, of this form and returning one copy of this

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

BY

(Signature of Contracting Officer)

NSN 7540-01-152-8070  
PREVIOUS EDITION UNUSABLE

30-105  
Amend. 0002 - 1

STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

SF 30 CONTINUATION SHEET

amendment to this office, acknowledging receipt of this amendment on each copy of the offer submitted, or separate letter or telegram which includes a reference to the solicitation and amendment numbers. Failure to acknowledge any amendment by the date and time specified may result in rejection of your offer in accordance with the Late Bids, Late Modifications of Bids or Late Withdrawal of Bids (FAR 52.215-0010).

SF 33 Change the page number for section J from "18" to "21".

Change the reference in paragraph C.4.7 from "H.9" to H.8".

Add the following language to the end of paragraph C.8.3, "These services shall be accomplished per the applicable standards and regulations."

Add the following language to the end of paragraphs C.15 and C.16, "The Contractor, at its own expense, shall execute joint-use agreements with each installation's local telephone service provider and television/cable service company."

Paragraph H.3.2 Change the term "Annual Capital Investment" with the term "Annual Capital Improvement".

Replace paragraph H.5.1 with the following language, "The Contractor shall separately record all costs and payments associated with the provision of electric, natural gas, potable water and wastewater utility service to the Installation using generally accepted accounting practices and according to the Contractor's Cost Accounting Standard (CAS) Disclosure Statement, if applicable. NARUS USOA may be used as an accounting guideline."

Change the reference in paragraph H.11.5 from "H.16.4" to H.11.4".

Paragraph H.13.5 replace the word "immediately" with "within two hours".

Paragraph H.15.3 replace the words "Contracting Officer" with the words "Military Police". Add the following sentence at the end of the paragraph, "The Contracting Officer will be notified the next working day of the incident."

Paragraph H.16.7 Replace the second sentence with the following, "The contractor will notify the COR telephonically within 24 hours and in writing within 48 hours when the service of a Contractor employee are terminated."

Section I after clause I.85, add "I.86 52.249.14 EXCUSABLE DELAYS (APR 1984) (Reference 49.50 (d))

Section J add Attachment H "Report on the Electrical Overhead Distribution System".

Section L, paragraph 10.3, Replace "B-1" with "B"

Questions and Answers

FOR INFORMATION PURPOSES ONLY

Question: Does the Government intend to make the responses to the questions and any amendments to the solicitation available on the Internet?

Answer: No.

Question: Will the Government establish a "data room" in which current standard operating procedures, material contracts, environmental history, commodity supply contracts, maintenance records and reports, etc. can be made available to Offerors?

Answer: No. All available information will be sent to prospective offerors for review.

Question: Please provide Sections D, E, F and J attachments.

Answer: There are no sections D, E & F. Section J attachments have been included in Amendment No. 1 and this amendment.

Question: B.2.1 Annual Purchase Price. What is the Government's current assigned value of the existing utility systems?

Answer: The Government estimated assigned value is a procurement sensitive figure that cannot be released to the Offerors. Each offeror should use their best engineering judgment to develop a current assigned value for each system.

Question: What methodology was used to determine the assigned value?

Answer: The Government will use a REPLACEMENT COST NEW, LESS DEPRECIATION methodology.

Question: Will the Government contract with an independent certified assessor to value the utility systems.

Answer: The Government is not required to perform a certified value assessment at this time. The government will rely upon competitive market forces and the Offeror's engineering judgment to determine fair value of



the utility systems.

Question: Will the Government accept and agree to an independent assessment of the value of the utility systems?

Answer: The Government will not agree to an assessment. Each offeror should make their own assessment of the utility systems for their proposal.

Question: C.2.2 - Utility Distribution System Description and Requirements: Will the maintenance records and reports be made available to the Offeror?

Answer: The records of the substation & Electrical Distribution system are the only records available in detail. These records are included with these answers as attachment H to section J. Any other information will be sent to prospective offerors as it becomes available.

Question: C.3 - Requirement: Please list the tenant connections to the utility system by building and owning organization. Are these tenants located on Fort Hamilton for the sole support of DOD activities?

Answer: Connections are provided on the drawings. Fort Hamilton is unable to provide the information by building and owning organization. These tenants are located on Fort Hamilton for the sole support of DOD activities. A list of tenants will be compiled and distributed to prospective offerors.

Question: c.4.2 - Secondary Meters: Does the Government have a plan requiring installation of additional secondary meters:

Answer: This question will be answered in a subsequent amendment.

Question. C.4.3 Tools and Equipment: Will any tools/equipment be available for purchase from the Government?

Answer: No.

Question: C.4.5 - Contractors Facilities: "Unless otherwise provided for in this contract, the Contractor, at its expense, shall furnish, install, operate and maintain all facilities required to furnish the service hereunder" Please confirm our understanding that any shops, office space, garages or work place facilities currently in use to maintain or operate the existing distribution and collection systems will be transferred to the contractors as part of the systems.

Answers: No. No storage, shops, garages or work places will be provided with this contract.

Question: Will parking for utility vehicles be made available to the Contractor?

Answer: Parking for 4 vehicles maximum will be made available for exclusive use related to the Fort Hamilton Maintenance Work Only.

Question: C.4.6 As-Built Drawings: "The Installation will provide "as-built" drawings to the Contractor as available in current condition" What is the currency and format of the as-built drawings?

Answer: Currency: This is the best, up to date knowledge available. The format is in "as is" condition as shown at the pre-proposal conference.

Questions: Will these drawings be provided in CAD-CAM or disk format?

Answer: No

Question: C.4.7. Disposition Upon Expiration or Termination Should the reference to Paragraph H.9 be H.8?

Answer: Yes. Reference will be made to Paragraph H.8.

Question: C.4.8.2 The Government shall have One Hundred (180) days from the date of the First Offer or any mutually agreed period to accept the First Offer ("Acceptance Period") by delivering to the Contractor acceptance on or before 5:00 P.M. Eastern Standard Time, on the last day of the Acceptance Period." Based on standard commercial practices, we believe tha Sixty (60) to Ninety (90) days would be a more typical period of time for acceptance of First Offer.

Answer: There will be no change to the solicitation language.

Question: C.6.1 - Outage Liability. "... If any failure due to actions of the Contractor, suspension or other variation of service shall aggregate more than four (4) hours for any facility service location during any billing period hereunder, an equitable adjustment shall be made in the monthly billing specified in this contract. The adjustment shall be equal to the installed capacity for each affected facility/service location multiplied by the aggregate outage time in the month, multiplied by the Government's average commodity charge for a similar facility service or customer served under his existing rates and any other costs as deemed reasonable by the Government. Any failure to reach agreement on time

periods and other all reasonable costs shall be pursuant to Section I, Contract Clauses, I.47, 52-233-1, Disputes (Oct. 1995)."

The intent of the referenced portion of this paragraph appears to be directed to the supplier of the commodity; i.e. electricity, natural gas, water. The scope of this RFP does not include provision of commodities; therefore, the paragraph as written, is not applicable. We believe that the intent of this paragraph needs to be clarified. The contractor should be responsible only for the outages caused by the actions of the contractor and not the commodity supplier

Answer: The intent of the language is for the offeror to be responsible only for outages caused by the actions of the offeror, not the commodity supplier. The damage calculation is based upon the loss of the commodity to the customer.

Question: C.8.3 - Connections/Disconnections: "The contractor shall be responsible for adding additional service points and/or deleting services points that are no longer required at the discretion of the federal Contractor Officer..." The following language is recommended as an addition to this paragraph: "These services shall be accomplished per the applicable standards and regulations.

Answer: Concur. The language will be amended.

Question: C.8.5 Scheduled Outages. Will the Government reimburse the Contractor for costs incurred when the Government cancels scheduled work?

Answer: No

Question: C.10 - Compliance With Environmental And Safety Laws/Codes: "The contractor shall comply will all federal, state and local environmental and safety laws and shall prepare environmental assessments, studies and coordination applicable to federal, state and local agencies required to execute their portion of this contract. This shall include, but not be limited to all assessments, studies, permitting and coordination required to comply with Federal, state and local laws regarding endangered species, historic/archaeological preservations and hazardous/toxic materials. The Government will perform all assessment necessary to determine and define existing environmental conditions within the easement boundaries granted to the Contractor up to the time that the physical plant is conveyed to the Contractor. An Environmental Assessment (EA) or Record of Environmental Consideration (REC) will be performed by the Government prior to issuance of an Easement as part of the Real Estate Transfer performed by the U.S. Army Corps of Engineers, New York District, Real Estate Office. See Sample Easement, in Section J, List of Attachments." Will the contractor have the

right to dispute/review or conduct its own study of the area within the boundaries of the proposed easements prior to conveyance of the physical plant to the contractor?.

Answer: No

Question: Will the Government provide a point of contact for environmental issues and questions?

Answer: The environmental section will be the point of contact for environmental issues. Phone numbers are 718 630-4485 and 4488 (provided in amendment 0001).

Question: C.13 - Easement and Right of Way: "C.13.1 The Government will provide easements and/or right-of-way access to the equipment and/or facilities conveyed to the Contractor. The Contractor shall be responsible for obtaining easement and/or rights of way for access to equipment and/or facilities not conveyed by this contract and for any new or rerouted systems to be covered or to be under this contract. Requests for easements and/or rights of way shall be submitted to the Fort Hamilton Directorate of Public Works for approval. See Sample Easement Document, Section J, List of Attachments." Is it the Government's intent to charge for easements that may be requested following the conveyance of the original easements?

Answer: Any charge for additional easements will be determined on a case by case basis at the time of the request.

Question: C.13.2 The Contractor shall perform tree trimming and right-of-way maintenance. Any easement and/or right of way that will result in the trimming and/or removal of trees will be contingent upon environmental and historical considerations." Will there be a separate reliability/quality standard for historically and environmentally sensitive areas concerning instances where trees cannot be trimmed to standards

Answer: An environmental assessment is underway, any tree trimming restrictions will be addressed.

Question: C15 & C16 -Joint Use of Utility Poles and Ductbanks: "C15.1 The Contractor shall prepare and the Government will execute a joint use agreement which allows the Government to utilize pole space at no charge. The Contractor shall submit a proposed joint use agreement which includes provisions for the Installation's telecommunications lines and other Government-owned signed system." "C.15.2 The Contractor shall execute joint-use agreements with each Installation's local telephone service provider and television/cable service company. These agreements shall

define: responsibilities of the joint use parties; space allowances on the pole line for each user; and the charge for replacement of poles (at the users request). The Contractor shall allow cable television joint use attachments at no charge until after the expiration of the Installation's current contract with the Fort Hamilton cable television provider. After the Fort Hamilton cable television contract expires, the contractor assumes responsibilities to negotiate a new joint-use agreement with the cable television provider." Does the Government have a current, comprehensive inventory of joint use of utility poles and ductbanks?

Answer: The Government does not have that information.

Question: It is recommended that the following language also be inserted in paragraphs C.15 & C16. The Contractor shall prepare and the Government will execute a joint use agreement which allows the Government to utilize pole space at no change. Add "The Contractor shall execute joint-use agreements with each installations local telephone service provider and television/cable service company."

Answer: Concur. The language will be amended.

Question: It is assumed that repair to any lines or cables owned by parties ("owner") other than the contractor will be performed by the owner at the owner's expense. Also, if the owner damages the point of ductbanks in any way or causes any service outages, the owner is responsible for damages or adjustments incurred.

Answer: Yes.

Question: Please provide a copy of the current cable television contract

Answer: This request will be addressed in a subsequent amendment.

Question: C.19. - Surplus Materials. Will the Government make available the inventory of surplus materials referenced in Para C.19 during the pre-proposal conference? How does the Government intend to determine the value of the materials to be offered to the Contractor?

Answer: There will not be any materials available.

Question: H.4 - New York Public Service Commission Jurisdiction. "The Contractor shall provide written documentation if economic regulation is required by the New York Public Service Commission (NYPSC) and whether approved by the NYPSC of the contract is required prior to execution by the Contractor. See also Paragraph B2.6 Alternate Proposals." What is the

intent of the Government regarding documentation of economic regulation and regulatory approval of the contract?

Answer: The Government's intent is for the Contractor to clearly identify whether the project is subject to NYPSC approval.

Question: Paragraph H.4 references Paragraph B.2.6. Please provide Paragraph B.2.6.

Answer: The reference to paragraph B.2.6 will be deleted.

Question: H.5.1 - Accounting Procedures. We believe that the New York Public Service Commission will not regulate the operation and maintenance of utility distribution systems on DOD installations and therefore NARUS USOA should not apply. We recommend that this clause be modified as follows: The Contractor shall separately record all costs and payments associated with the provision of electric, natural gas, potable water and wastewater utility service to the Installation using generally accepted accounting practices and according to the Contractor's Disclosure Statement.

Answer: Concur, but will include NARUS USOA as an allowable accounting guideline.

Question: H.9 - Force Majeure. In addition to the force majeure clause, provide contract language that indemnifies the contractor from Y2K problems associated with assets conveyed to the contractor by the Government.

Answer: The Government is specifically prohibited from any Contractor indemnification.

Question: H.21. Hazardous Substances: Will the Government insert language that indemnifies the Contractor from all existing environmental liabilities?

Answer: The Government is specifically prohibited from any Contractor indemnification.

Question: Has the Government performed or will the Government perform an environmental baseline study?

Answer: There is a study currently underway. All information will be provided once the study is completed/approved.

Question: "H.11.5...however, that the Contractor is in compliance with Section H.16.4 above. To the extent that other provisions of this contract require the Contractor to perform or re-perform work the Contractor shall only be responsible for those costs not attributable to the presence of Hazardous Substances."

Answer: this question will be addressed in a subsequent amendment.

Question: Should the paragraph reference be H.11.4?

Answer: Yes

Question: Does the hazardous substances clause apply if old ammunition or unexploded ordnance is discovered during utility system repair and/or replacement.

Answer: Yes.

Question: H.12 - Disposition of Environmentally Sensitive Wastes. To what extent is the Contractor responsible for the collection and disposal of hazardous waste?

Answer: The Contractor is responsible for the collection and disposal of all hazardous waste in the areas.

Question: H.13.5 - Hazardous Waste Spill. Please define "immediately notify the Director or Deputy Director" in this paragraph.

Answer: The Government will change the language to indicate a notification period of 2 hours.

Question: H.15.3 - Safety: This paragraph requires the Contracting Officer to be notified within 4 hours of an accident. Will the Contracting Officer have 24-hour notification receipt capability?

Answer: The Government will amend the solicitation to substitute "Military Police" for "Contracting Officer" for the 4 hour requirement in the cited paragraph. The Contracting Officer will be notified the next working day of the incident.

Question: H.16.7 "...The contractor will immediately notify the COR telephonically and in writing when services of a Contractor employee are terminated." Please consider the following: The contractor will notify the COR telephonically within 24 hours and in writing within 48 hours when services of a Contractor employee are terminated.

Answer: The language will be changed to reflect the suggested language.

Question L.9.4 - General Requirements. Please consider the following changes to paragraph L.9.4: 11 point Times Roman or equivalent font

Answer: Paragraph L.9.4 has been changed to Times New Roman 12 Point.

Question: Will resumes be counted in the 200 page limit for the Technical Proposal?

Answer: Yes

Questions: Will foldouts (11x17) be counted as 1 or 2 pages?

Answer 1 (one)

Question: L.10.4 - Oral Presentation Does the Government intend to videotape the oral presentation? If so, who will be responsible for providing the technicians?

Answer: Yes, the Government will provide the technicians.

Question: What are the maintenance/repair/history for the individual distribution systems (classify by underground and overhead)?

Answer: Electrical information is in the reports provided. No records are available for water or gas systems.

Question: What is the outage history and reliability statistics (e.g. Electrical-CAIDI/SAIFI) for each individual distribution systems?

Answer: There are no records available. Applicable service orders will be provided, as available.

Question: What is the failure history of the underground services of each individual distribution system?

Answer: There are no records available.

Question: What are the installation dates for the major facilities/equipment associated with each individual distribution system (e.g. when each portion of the electrical system was installed, age of transformers, etc)?



Answer: The only known installation date is 1989 for the electrical substation, the rest of the dates are unavailable. Estimated dates are listed in the inventories provided with the solicitation.

Question: What type of material are the underground electrical ducts constructed from?

Answer: There is no information available.

Question: Does the underground electrical distribution system contain any lead type cable?

Answer: There is no information available.

Question: Define locations of any underground splices.

Answer: There is no information available.

Question: On primary and secondary cable failures, what was the average restoration time?

Answer: Average restoration time is within 24 hours of notification.

Question: Were secondary generators used to pick up load?

Answer: Yes, in place and portable generators for, but not limited to, the lift station, Commissary, Housing, Telephone Building and Command Building.

Question: Is cable automatically pulled when a fault is located, or is repair (splice) made in a manhole?

Answer: This will be left to the expertise of the successful contractor to give uninterrupted service to the Army.

Question: What are the maintenance/repair records/history of the substation equipment (switchgears, transformers)?

Answer: All available information is in the reports provided.

Question: Provide substation transformers' test data, age, nameplate data, loading and number of times exposed to fault current.

Answer: All available information is in the reports provided.

Question: Provide substation switchgears' loading, age and number of times

exposed to fault current.

Answer: All available information is in the reports provided.

Question: What is the current preventive maintenance schedule for the substation equipment and what are the results of PM testing?

Answer: All available information is in the reports provided.

Question: Has the army experienced any specific operating or maintenance problems on any substation or electrical distribution equipment? If so, please provide details.

Answer: All available information is in the reports provided.

Question: What is the demand repair history for the substation and electrical distribution system (underground/overhead)?

Answer: All available information is in the reports provided.

Question: Are there any noise restrictions during off hours that would prevent a crew from working at night?

Answer: Yes. Normal working hours are 8:00 A.M. to 4:30 PM, Monday to Friday. However after hours work will be allowed in emergency situations after DPW approval.

Question: What are the known environmental/confined space issues in the manhole distribution system. What gases are checked for? What are the results of previous entries?

Answer: No records are available.

Question: Is there any known environmental contamination at the site?

Answer: There are no known environmental issues that would negatively impact the solicitation at this time. However, we are currently conducting an environmental assessment of Fort Hamilton and any findings that would impact the successful contractor will be shared at the time the assessment is completed.

Question: Will electric and gas account number be provided and will actual detailed billing histories be provided if Utility website access is not available?

Answer: Billing information will be provided to the successful contractor.

Question: Are there detail maps of the gas distribution systems?

Answer: Available maps were shown at the pre-proposal conference and provided with the solicitation.

Question: Are there records of leak surveys?

Answer: No records are available.

Question: Are the records of corrosion surveys?

Answer: No records are available

Question: Is there a master plan for the site? If so, will it be made available?

Answer: The master plan is currently in the draft stage. When it is completed it will be made available. However, this document will probably not be prepared in time for distribution to prospective offerors prior to proposal due dates.

Question: Is there an anode station?

Answer: All available information is in the reports provided.

Question: Are there records of gas pipe replacement?

Answer: No records are available.

Question: Are there records of annual valve surveys?

Answer: No records are available.

Question: Please provide a list of effective pages for each section.

Answer: Section 11, Table of Contents of SF 33 has been reviewed. The number of pages are accurate with the exception of section J, which should have been "21" instead of "18".

Question: Where is Schedule B-2? Does this refer to Section B, Page B-1?

Answer: Yes

Question: Paragraph B.2.2/C.4. Page 2. How many service meters will be required? What kinds and capacities? How many and what kind and capacity (i.e. water, electric, gas) of new services will be required. How many and what kind and capacity of the services will be removed. Will any be replacement and/or upgrade existing services? Who will determine the kind and capacity of service to be installed?

Answer: These questions will be addressed in a subsequent amendment.

Question: B.2.2 requires installation and connection of meters to be included in the Annual Distribution Charge while C.4.2 says the cost of additional meters will be paid by Fort Hamilton. C.8.3 requires connections and disconnection (which typically include setting or removing a meter) to be part of the Annual O&M Plan and included as part of the annual distribution cost. Please clarify. The Government probably would receive more economical proposals if service and meter installation and replacement are unit priced unless the requirement for new and replacement meters can be specified in some detail.

Answer: This question will be addressed in a subsequent amendment.

Question. Paragraph B.2.4, Page 2. What annual interest rate will be used to amortize the purchase price? If the interest is to be selected by the offeror, what interest rate will be used by the Government to evaluate the offers?

Answer: (a) Contractor will determine annual interest rate (b) 10 year Treasury Bill rate is the standard, but any interest rate the results in lowest life-cycle cost to the Government would be favorable.

Question: B.6. Page 3. Please provide missing portion of RFP.

Answer: The solicitation is complete, the referenced language has been deleted.

Question: Paragraph C.1.1, Page 1. The RFP states "The Government will consider proposals from regulated utility service providers and contractors who are not regularly engaged in the business of utility distribution service to the general public." Does this preclude proposals from regulated utilities who are currently engaged in the business of utility distribution service to the public?

Answer: No. The solicitation is available to anyone who can qualify for the work.

Question: Paragraph C.1.2, Page 1. What additional services are envisioned by the phrase "is not limited to"? Would the Government accept a proposal specifying the limit of services covered by the price proposal.

Answer: The RFP sets forth the minimum requirements that may be exceeded by the contractor. The Government would accept a limit on the services in the proposal if the minimum requirements were met adequately or exceeded.

Question: Paragraph C.2.2.1.2, Page 2, Do any transformers contain PCB's?

Answer: An Environmental Assessment is underway which will identify any hazardous contamination. The Government does not currently know of any PCB contaminated transformers on site.

Question: Paragraph C.2.2.1.2, Page 3, What is the basis for the statement that a number of areas of the electric distribution system may require replacements?

Answers: The basis for the statement is the estimated age of the system. It will be the responsibility of the contractor, using their best engineering judgement, to determine what needs to be upgraded.

Question: Paragraph C.2.2.1.2, Page 3, What maintenance records are available for the components of the electric distribution system? How will they be made available to prospective offerors?

Answer: All available information is in the reports provided.

Question: Paragraph C.2.2.1.1, Page 3. Are there any known inadequacies of the electric distribution system? IF so what are they?

Answer: All available information is in the reports provided.

Question: Paragraph C.2.2.2.2, Page 4. What maintenance records are available for the component of the natural gas distribution system? How will they be made available to prospective offerors?

Answer: All available information is in the reports provided.

Question: Paragraph C.2.2.2.2, Page 4. What leak detection studies have been made of the natural gas distribution system? How will they be made available to prospective offerors?

Answer: No studies are available.

Question: Paragraph C.2.2.2.2, Page 4. Are there any known inadequacies of the gas distribution system? If so, what are they?

Answer: No records are available.

Question: Paragraph C.2.2.3.3, Page 5. What maintenance records are available for the components of the water distribution system? How will they be made available to prospective offerors?

Answer: No records are available.

Question: Paragraph C.2.3.3, Page 5. What leak detection studies have been made of the water distribution system? What distribution flow analyses have been made? How will they be made available to prospective offerors?

Answer: No studies are available.

Question: Paragraph C.2.3.3, Page 5. Are there any known inadequacies of the water distribution system? If so, what are they? What areas of Fort Hamilton do not currently meet the required fire demand?

Answer: No records are available.

Question: Paragraph C.2.3.3, Page 5. What flow of water may the offeror assume is available from the City at the point of delivery?

Answer: The contractor shall determine the flow from the size of the pipes. The flow from the City is unknown.

Question: Paragraph C.2.3.3, Page 5. What is the peak domestic flow of the water distribution system?

Answer: The information is not available.

Question: Paragraph C.2.4.2, Page 6. What maintenance records are available for the components of the wastewater system? How will they be made available to prospective offerors?

Answer: No records are available.

Question: Paragraph C.2.4.2, Page 6. What infiltration/inflow studies have been made of the wastewater system? Has any recent TV inspection been made of the system? How will they be made available to prospective offerors?

Answer: No information is available.

Question: Paragraph C.2.4.2, Page 6. Are there any known inadequacies of the wastewater system? If so, what are they? What cost benefit criteria should be used to analyze whether sewer lines should be replaced or rehabilitated.

Answer: No information is available.

Question: Paragraph C.4.4, Page 8. What is the purpose of tracking the net value of scrapped or salvaged facilities?

Answer: The last sentence of C.4.4 will be changed to read "The positive value, if any..."

Question: Paragraph C.4.6, Page 8. In what form/format are the current "as-built" drawings maintained? What format will be specified by the Fort Hamilton DPW for future drawings?

Answer: The current and future format is size "D".

Question: Paragraph C.4.7, Page 8. What criteria will the Government use to determine whether the Contractor has dealt fairly with the Government in pricing of services or in installation of excess or unnecessary facilities to make more profit?

Answer: The Government will use existing approved tariff sheets for like customers of a similar load or rate class.

Question: Paragraph C.4.8., Page 8. This section implies that the successful purchaser of the utility systems has the unilateral right to sell off portions of the systems subject only to the Right of First Offer as defined in this section. Is that correct?

Answer: Yes, subject to novation.

Question: Paragraph C.3, Page 10. Please supply the map(s) of the installation.

Answer: Ft Hamilton maps are included in section J in the Amendment.

Question: Paragraph C.6.1, Page 10. Please clarify how installed capacity will be established for water.

Answer: This question will be answered in the next amendment.

Question: Paragraph C.6.1. Page 10. Please provide typical existing Government rates which would be used in this clause.

Answer: This question will be answered in the next amendment.

Question: Paragraph C.6.3, C.6.4 & C.6.6. Page 11. Does the Government intend for the Contractor to communicate and negotiate with utility commodity suppliers on the Government's behalf (i.e. determining utility restoration priority)?

Answer: The Government's intent is for the Contractor to indicate the service restoration priority of Fort Hamilton services within its area of responsibility.

Question: Paragraph C.7.2, C.7.3, C.7.4 & C.7.5. Pages 12 and 13. These sections require the Contractor to comply with all applicable codes whether they apply or not. Please clarify the Government intentions.

Answer: Yes. The successful offeror must comply with all applicable codes referenced in the sections/provisions.

Question: Paragraph C.8.3, Page 13. Is connection/disconnection intended to include the installation and/or removal of services (e.g. pole transformer, service wires, meter box for electric)? Incorporation of provisions for contingent connections/disconnections will add substantially to the Annual Distribution Cost without adding comparable value to the Government. This would be better accommodated as an extra or separate unit price.

Answer: The intention of the Government is to include all required services in the lump sum price.

Question: Paragraph C.8.6. Page 14. Please provide a copy of the form.

Answer: The form is included in section J in Amendment #1.

Question: Paragraph C.10. Page 14. Please provide a copy of the easement. Must the form of easement be exactly as found in the sample or may it be modified?

Answer: The form is included in section J in Amendment #1. The form must be completed as is. Any change must be approved by the cognizant real estate



office prior to alteration.

Question: Paragraph C.12, Page 15. Please elaborate on the kinds and quantities of data which may be required by the Contracting Officer on an invoice.

Answer: The invoice should include the amount of commodity used during the billing period and a lump sum dollar charge.

Question: Paragraph C.13.2, Page 15. What environmental and historic considerations and limitations apply to tree trimming and removal?

Answer: This information is unknown at this time. The Environmental assessment will address environmental and historical concerns.

Question: Paragraph C.20, Page 17. FAR 52.241-8 is not found in Section I. It may also be appropriate to include 52-241-7 if it is believed that utility rates may be regulated by the New York Public Service Commission.

Answer: The clauses are included at Page I.14.

Question. Paragraph H.1, Page 1. Please clarify the treatment of upgrades or enhancements which are to be taken to serve the existing Fort Hamilton facilities and those which are required to serve new or substantially modified uses which have not been identified in this RFP. One reading of this RFP implies that the Contractor would be liable to install and maintain every kind of new service the Government might require at the fixed prices in Section B while other places imply that substantial changes would be subject to adjustment. C20 does not help clarify this question.

Answer: The intent of the Government is to allow contract modifications for work not included in the Scope of Work, Section C. Services such as service connection/disconnection and meter installment are specifically addressed and are included in the Scope of Work.

Question: Paragraph H.2.3, Page 2. Since the contract is firm fixed-price in nature, what is the purpose of requiring details of planned and actual expenditures in the O&M plans. Each such increment of data reporting is a cost item making the requested service more expensive for the Government. Other provisions in the contract make the Contractor's reports available for auditing (c.f. H.5.2)

Answer: This question will be addressed in a subsequent amendment.

Question: Paragraph H.2.3, Page 2. What confidentiality treatment will be given to Contractor's reports of planned and actual expenses?

Answer: The information will be treated as Source Selection Sensitive. Any requests for information will be handled under the Freedom of Information Act (FOIA).

Question: Paragraph H.3.2, Page 3. Is Annual Capital Investment (ACI) meant to be the Annual Capital Improvement of B.2.3?

Answer: Yes. H.3.2 will be changed to read Annual Capital Improvements.

Question: Paragraph H.4, Page 3. Please provide Paragraph B.2.6 "Alternate Proposals" and any other missing material.

Answer: Paragraph B.2.6 has been deleted from the solicitation.

Question: Paragraph H.5.1, Page 4. Will the records required by this section satisfy the requirements of H.2.3?

Answer: No.

Question: Paragraph H.8, Page 5. FAR 52.241-10 is not in Section I

Answer: This question will be answered in a subsequent amendment.

Question: Paragraph H.9, Page 5. FAR 52.249-14 is not in Section I.

Answer: Section I will be modified to include FAR 52.249-14.

Question: Paragraph H.16.3, Page 9. What are Operations Security (OPSEC) measures and who will notify the Contractor when they are to be implemented?

Answer: This question will be addressed in a subsequent amendment.

Question: Paragraph H.21, Page 10. Will the Government supply the meters? See previous questions about the cost/price of installation.

Answer: This question will be addressed in a subsequent amendment.

Question: Paragraph H.22, Page 10. This clause notwithstanding, please supply the drawings which have been purchased pursuant to the Solicitation announcement.

Answer: Available drawings will be provided separately.

Question: Paragraph 1.17. page I-5 Please describe into which the following topics the various sections of the RFP fall: (a) The Schedule (b) Representations and other instructions (c) Contract clauses (d) Other documents, exhibits and attachments (e) The specifications

Answer: Refer to the Table of Contents on the Standard Form 33.

Questions: Paragraph I.27, Page I-5. It appears that all employees, other than professional and managerial and those subject to the Davis-Bacon Act, are subject to the Service Contract Act. Is this correct?

Answer: Yes. If the Government retains ownership of gas pipeline.

Question: Paragraph I.60. Page I-12. Davis Bacon.

Answer: The question is incomplete.

Question: Section, J. Page I. Please provide the Attachment A inventories and other missing materials.

Answers: The inventories were provided in Amendment #1.

Questions: Paragraph K.10, Page K-8. Who is the cognizant administrative contracting officer for this solicitation?

Answer: There is no cognizant Administrative Contracting Officer until the award of the solicitation. The Source Selection Authority makes all preaward decisions, including the selection of the successful offeror. After award the project will be administered by Defense Contract Management Command.

Question: Paragraph K.10, Page K-7. Is the Disclosure Statement required to be submitted with an offer to this Solicitation?

Answer: Yes. The information is to be submitted with the price proposal, if the offeror is subject to Cost Accounting Standards (CAS).

Question: Paragraph L.10.3, Page 6. Please provide a Schedule B-1

Answer: Refer to Section B. Page B-1. The reference to Schedule B-1 will be changed to B.

Question: Paragraph L.10.3, Page 6. What kind of data and how much detail is required to determine reasonableness of the pricing proposal.

Answer: Refer to Page B-1 of the RFP, Paragraph L.10.3 will change the reference from Schedule B-1 to B.

Question: Paragraph H.16.2, Page 11, Which page or pages of the Solicitation constitute "the Schedule"

Answer: The citation does not discuss the "Schedule". The Schedule, as defined on the Standard Form 33, includes sections A through H of the solicitation. Quite often, the "schedule" refers to section B only. Please check the referenced citation to determine, which definition applies.

Question: How can the Transition Plan include a schedule for ownership transfer when it is a Government action? Why does the Government give offerors the option of choosing when the transfer occurs? If transfer is after the contract is effective, will the Government pay them for service even though the transfer has not yet occurred?

Answer: This question will be addressed in a subsequent amendment.

Question: Why would an offeror care about restoration outside Fort Hamilton? (para H.2.5) Is this sentence meant to address the offeror providing Fort Hamilton with information passed on from the commodity providers?

Answer: (a) If the Contractor is also responsible for utility service outside Fort Hamilton. Fort Hamilton requests an indication of utility service priority (b) The intent is for the Contractor to indicate service restoration priority of Fort Hamilton services within the control of the Contractor.

Question: The inventory report which was handed out at the pre-conference meeting held at Fort Hamilton indicated that Johnson Controls was operating the four utility systems. Inasmuch as Johnson is currently one of the bidders, could you kindly make available to us the associated operational, maintenance, and repair costs for all utility systems incurred by the Army as a result of the Johnson Controls contract?

Answer: All available information will be provided to the offerors.

Question: When is the final deadline for questions?

Answer: Proposal Due Date - 4/2/1999

Question: What happens after the 10 year period?

Answer: See paragraph C.4.7.

Question: Is there any information such as service events that may be available for circulation to the bidders?

Answer: No.

Question: Could you provide an example of what an equitable adjustment would be as defined in Section C.6.1 outage liability

Answer: This question will be addressed in a subsequent amendment.

Question: Is the natural gas distribution system currently in compliance with the standards outlined in C.7.3. If not, what is out of compliance?

Answer: It is not feasible for the Government to inspect/determine the compliance/noncompliance of the system at this time. The successful offeror will be responsible to ensure the system is in compliance with the standards outlined in paragraph C.7.3.

Question: Are the potable water and wastewater currently in compliance with applicable standards:

Answer: It is not feasible for the Government to inspect/determine the compliance/nocompliance of the system at this time. The successful offeror will be responsible to ensure the system is in compliance with the standards outlined in paragraph C.7.3.

Questions: When does the current joint use agreement of poles expire with the CTV provider? What is the current arrangement?

Answer: This question will be addressed in a subsequent amendment.

Question: Can you provide a list of the scoring criteria for each evaluation factor?

Answer: Refer to Section L & M in the RFP.

Question: What minimum score will qualify a bid to pass the first evaluation step?

Answer: Procurement sensitive Information, not releaseable.

Question: Will we receive drawings and/or description of interface points to show contractor responsible portions of the system?

Answer: Utility maps have been provided in an as-in condition

Question: Will bidders be permitted to inspect the site as required prior to the proposal submittal?

Answer: Yes. Point of Contact at Fort Hamilton is Mike Paudoussis

Question: Can you tell us your current O&M costs for the 4 systems?

Answer: The data requested is not available. Last year's utility bills will be provided.

Question: Has Fort Hamilton prepared a 5 year and 10 year Master Facility Plan? Will it be provided in a timely manner.

Answer: A 5 year plan is in draft stage and will be provided when available.

Question: Provide approximate # of service and secondary meters to be installed under life of contract.

Answer: This question will be addressed in a subsequent amendment.

Question: Why was portion of potable water piping replaced with ductile iron pipe?

Answer: Piping has been replaced at various times during the past 30 years. The reason for installation of different pipe materials vary with the situation. It is unknown in this specific situation why the particular type of pipe was utilized.

Question: When and where were pressures listed in paragraph C.2.2.3.2 measured?

Answer: This question will be addressed in a subsequent amendment.

Question: Where are the five connection points to the City of New York System located (C.2.2.4.1)?

Answer: Rick This question will be addressed in a subsequent amendment.

Question: Have there been any flooding problems in the wastewater system?

Answer: Yes, on occasion. All out falls to the bay have been blocked in accordance with EPA requirements. Therefore, when there is a heavy rain the New York City sewage system cannot accept the quantity of water that is pumped for the lift station. This causes backups through the system and flooding in the boiler rooms in the 314 & 315 area, as well as, the street in front of these buildings and at the 101 street gate area.

Question: Are the force mains mentioned in C.2.4.4 actually gravity?

Answer: All laterals are gravity. The sewage lift station is the point where the forced main begins.

Question: Please clarify the difference between secondary meters (C.4.2) and service meters (H.21)?

Answer: This question will be addressed in a subsequent amendment.

Question: How will Fort Hamilton pay for meters under C.4.2?

Answer: This question will be addressed in a subsequent amendment.

Question: What permits are currently in effect (C.7.4/C.7.5)?

Answer: No environmental permits are currently in effect for either Potable or Wastewater systems.

Question: Is the Fort Hamilton facility considered a Federal Enclave? If so, how would this impact the rules and regulations set forth by NYS PSC for a regulated distribution company?

Answer: Fort Hamilton is a Federal Enclave. Even if the NYS PSC rules and regulations do not apply, by definition the contract requires compliance.

Question: Please define the right of first refusal. Are there any buy back provisions? What are the penalties, if any, for early withdrawal?

Answer: This question will be addressed in a subsequent amendment.

Question: As you know the Department of Defense is participating in Retail Access programs around the country from their headquarters in Fort Belvoir, Virginia. What is the relationship between the privatization RFP and the DOD efforts?

Answer: There is no relationship between Fort Hamilton privatization and the DOD efforts in Retail Access programs.

Question: How would the purchase of the electrical commodity impact the privatization of the utilities at Fort Hamilton?

Answer: The purchase of the electrical commodity will have no impact on the privatization effort.





**REPORT ON THE  
FORT HAMILTON  
ELECTRICAL SUBSTATION  
FROM OCT 1<sup>ST</sup> 96  
TILL  
SEPT 30<sup>TH</sup> 97**

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**POWER SYSTEMS, INC.**

Electrical Testing Specialists



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LOW TO HIGH VOLTAGE SWITCHGEAR & SUBSTATION TESTING-MAINTENANCE-INSPECTION-ENGINEERING-MONITORING-UPGRADE-REPAIR

---

**MAINTENANCE & TEST REPORT  
FOR  
RELAYS & VACUUM BREAKERS  
AT  
JOHNSON CONTROLS WORLD SERVICES, INC.  
NYAC & FORT HAMILTON  
BROOKLYN, NEW YORK  
MAY 7 - 14, 1997**

**M&L JOB # 97-4346**

Fax: (908) 679-9326

Internet: [www.mlpower.com](http://www.mlpower.com)

E-mail: [service@mlpower.com](mailto:service@mlpower.com)

**24-Hour Emergency Hotline  
(908) 679-1800**

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Main Office:  
109 White Oak Lane  
Old Bridge, NJ 08857



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LOW TO HIGH VOLTAGE SWITCHGEAR & SUBSTATION TESTING-MAINTENANCE-INSPECTION-ENGINEERING-MONITORING-UPGRADE-REPAIR

May 26, 1997

Johnson Controls World Services, Inc.  
NYAC & Fort Hamilton  
Building 301 - 2<sup>nd</sup> Floor  
Brooklyn, NY 11252-6000

Attn: Robert Downes

**Subject: Annual Maintenance of the 26KV and 5KV Main Substation  
(Relays and Vacuum Breaker). M&L Job. No. 97-4346.**

Dear Mr. Downes:

Enclosed please find the test report on relays and vacuum breakers maintained and tested at your facility.

We are very pleased to report finding your equipment well maintained and in excellent condition. However, we would like to bring to your attention two potential safety hazards.

The 5KV Tie Breaker 52-BT1 Unit No. 9A (Page 20) has a cracked C-Phase operating bushing on the movable contacts, therefore, should be replaced as soon as possible.

The support railing for the same Tie Breaker 52-BT1 Unit No. 9A are defective. The left one will not lock into lock-out position to support the breaker when rolling it out of the cubicle, and the right rail wraps and bend to the outside under the right of the breaker on it. We, therefore, recommend repairing the same as soon as possible before it fails.

We appreciate this opportunity to serve your organization. Should you have any questions or if we can be of any further assistance, please feel free to contact me.

Very truly yours,

Earl Hester  
Field Engineer

24-Hour Emergency Hotline  
(908) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



### H.V. BREAKER TEST REPORT

**CUSTOMER:** JOHNSON CONTROLS/FT. HAMILTON, NY **JOB NO:** 97-4346  
**MANUFACTURER:** CONTROLLED POWER CORP. **VOLTAGE CLASS:** 38 KV  
**MFG. S/N:** 51607-4326-2 **TYPE:** SSF-A-PB **AMPS:** 1200  
**DESIGNATION:** LINE NO. 1 UNIT NO. 21 **LOCATION:** 26 KV SUB.

### MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: 30,000	A-PHASE TO GROUND: 30,000	A-A PHASE (OPEN): 3,000
B-C PHASE: 20,000	B-PHASE TO GROUND: 15,000	B-B PHASE (OPEN): 8,000
C-A PHASE: 25,000	C-PHASE TO GROUND: 15,000	C-C PHASE (OPEN): 12,000

### CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 39	PHASE-B: 41	PHASE-C: 40
-------------	-------------	-------------

### TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN:	TIME TO CLOSE:
---------------	----------------

### ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 3	COUNTER READING AF 199
	AL 202

### INSPECTION CHECK LIST CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

**REMARKS:** VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

**TESTED BY:** E. HESTER

**DATE:** 5/12/97

**PAGE NO.:** 1



## H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 97-4346  
 MANUFACTURER: CONTROLLED POWER CORP. VOLTAGE CLASS: 38 KV  
 MFG. S/N: 51564-4326-4 TYPE: SSF-A-PB AMPS: 1200  
 DESIGNATION: LINE NO. 1 UNIT NO. 24 LOCATION: MAIN 26 KV SUB.

=====
  
MEGGER TEST (ALL RESULTS IN MEGAOHMS)MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.
  
=====

A-B PHASE: INF.	A-PHASE TO GROUND: INF.	A-A PHASE (OPEN): INF.
B-C PHASE: INF.	B-PHASE TO GROUND: INF.	B-B PHASE (OPEN): INF.
C-A PHASE: INF.	C-PHASE TO GROUND: INF.	C-C PHASE (OPEN): INF.

## CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 39	PHASE-B: 38	PHASE-C: 42
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## TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN:	TIME TO CLOSE:
---------------	----------------

## ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 6	COUNTER READING AF 173
	AL 179

INSPECTION CHECK LIST  
CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

REMARKS: VI TEST A-OK, B-OK, C-OK  
 VI TEST PERFORMED AT 36 KV

TESTED BY: E. HESTER

DATE: 5/13/97

PAGE NO.: 2

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**H.V. BREAKER TEST REPORT**

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 97-4346  
MANUFACTURER: CONTROLLED POWER CORP. VOLTAGE CLASS: 38 KV  
MFG. S/N: 51527-4326-3 TYPE: SSF-A-PB AMPS: 1200  
DESIGNATION: LINE NO. 3 UNIT NO. 27 LOCATION: MAIN 26 KV SUB.

=====

**MEGGER TEST (ALL RESULTS IN MEGAOHMS)**

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

-----

A-B PHASE: INF.	A-PHASE TO GROUND: INF.	A-A PHASE (OPEN): INF.
B-C PHASE: INF.	B-PHASE TO GROUND: INF.	B-B PHASE (OPEN): INF.
C-A PHASE: INF.	C-PHASE TO GROUND: INF.	C-C PHASE (OPEN): INF.

**CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)**

PHASE-A: 42	PHASE-B: 42	PHASE-C: 41
-------------	-------------	-------------

**TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)**

TIME TO OPEN:

TIME TO CLOSE:

**ADJUSTMENT**

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 5	COUNTER READING AF 216
	AL 221

**INSPECTION CHECK LIST  
CONDITION**

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

=====

REMARKS: VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

TESTED BY: E. HESTER

DATE: 5/13/97

PAGE NO.: 3

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## H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 97-4346  
 MANUFACTURER: CONTROLLED POWER CORP. VOLTAGE CLASS: 38 KV  
 MFG. S/N: 51557-4326-1 TYPE: SSF-A-PB AMPS: 1200  
 DESIGNATION: LINE NO. 4 UNIT NO. 30 LOCATION: MAIN 26 KV SUB.

## ===== MEGGER TEST (ALL RESULTS IN MEGAOHMS) =====

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: INF. A-PHASE TO GROUND: INF. A-A PHASE (OPEN): INF.  
 B-C PHASE: INF. B-PHASE TO GROUND: INF. B-B PHASE (OPEN): INF.  
 C-A PHASE: INF. C-PHASE TO GROUND: INF. C-C PHASE (OPEN): INF.

## CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 47 PHASE-B: 46 PHASE-C: 46

## TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN:

TIME TO CLOSE:

## ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :	
ARCING CONTACT WIPE :	INTERLOCK SWITCH :	
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:	
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :	
RELEASE LATCH WIPE :	LATCH DEVICE :	
TIMES OF OPERATION : 6	COUNTER READING	AF 274
		AL 300

INSPECTION CHECK LIST  
CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

REMARKS: VI TEST A-OK, B-OK, C-OK  
 VI TEST PERFORMED AT 36 KV

TESTED BY: E. HESTER

DATE: 5/12/97

PAGE NO.: 4



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

FEEDER NAME: LINE #1, FDR. BKR. 52-PS1

TYPE: CO-9 (INST. O/C  
STYLE: 264C901A07 (A,B,C); 03 (N)

TAP RANGE: 1-12A (A,B,C)  
0.5-2.5 (A,B,C)

JOB NO.: 97-4346

INST. RANGE: 6-144A (A,B,C)  
2-48A (N)

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps. Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.		
AF	3	6.5	17	OK	2.97	9	3.93	17	0.16	A
AL	3	6.5	17	OK	3.0	9	3.93	17	0.16	A
AL	-	-	-	-	-	18	1.36	17	-	A
AF	3	6.5	16.5	OK	3.0	9	3.95	16.5	0.16	B
AL	3	6.5	16.5	OK	3.0	9	3.95	16.5	0.16	B
AL	-	-	-	-	-	18	1.37	16.5	-	B
AF	3	6.5	18	OK	3.0	9	3.94	18	0.15	C
AL	3	6.5	18	OK	3.0	9	3.94	18	0.15	C
AL	-	-	-	-	-	18	1.35	18	-	C
AF	0.5	2	MAX	OK	0.49	1.5	1.08	-	0.16	N
AL	0.5	2	MAX	OK	0.5	1.5	1.08	-	0.16	N
AL	-	-	-	-	0.5	3.0	0.44	-	-	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED ON THE NEUTRAL RELAY ONLY. ALL  
RELAYS CLEANED AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS  
AND ARE ALL IN GOOD OPERATING CONDITION.

TESTED BY: JEFF SPINNEY

DATE: 5/8/97

PAGE NO.: 5



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

FEEDER NAME: LINE #3, FDR. BKR. 52-PS3

TYPE: CO-9 (INST. O/C  
STYLE: 264C901A07 (A,B,C); 03 (N)  
TAP RANGE: 1-12A (A,B,C)  
0.5-2.5 (A,B,C)  
INST. RANGE: 6-144A (A,B,C)  
2-48A (N)

JOB NO.: 97-4346

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
		Amps. Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	3	6.5	16	OK	3.06	9	3.93	16	0.16	A
AL	3	6.5	16	OK	3.0	9	3.93	16	0.16	A
AL	-	-	-	-	-	18	1.39	16	-	A
AF	3	6.5	18	OK	2.99	9	3.97	18	0.16	B
AL	3	6.5	18	OK	3.0	9	3.97	18	0.16	B
AL	-	-	-	-	-	18	1.37	18	-	B
AF	3	6.5	18	OK	3.0	9	3.96	18	0.15	C
AL	3	6.5	18	OK	3.0	9	3.96	18	0.15	C
AL	-	-	-	-	-	18	1.36	18	-	C
AF	0.5	2	MAX	OK	0.46	1.5	1.18	-	0.16	N
AL	0.5	2	MAX	OK	0.5	1.5	1.18	-	0.16	N
AL	-	-	-	-	-	3.0	0.44	-	-	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED ON THE NEUTRAL RELAY ONLY. ALL  
RELAYS CLEANED AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS  
AND ARE ALL IN GOOD OPERATING CONDITION.

TESTED BY: JEFF SPINNEY

DATE: 5/8/97

PAGE NO.: 6

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

FEEDER NAME: LINE #3, FDR. BKR. 52-PS3

TYPE: CO-9 (INST. O/C  
STYLE: 264C901A07 (A,B,C); 03 (N)

TAP RANGE: 1-12A (A,B,C)  
0.5-2.5 (A,B,C)

JOB NO.: 97-4346

INST. RANGE: 6-144A (A,B,C)  
2-48A (N)

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	3	6.5	16.5	OK	2.95	9	3.96	16.5	0.16	A
AL	3	6.5	16.5	OK	3.0	9	3.96	16.5	0.16	A
AL	-	-	-	-	-	18	1.37	16.5	-	A
AF	3	6.5	18	OK	2.99	9	3.97	18	0.16	B
AL	3	6.5	19	OK	3.0	9	3.90	19	0.15	B
AL	-	-	-	-	-	18	1.36	19	-	B
AF	3	6.5	19	OK	3.0	9	3.99	19	0.16	C
AL	3	6.5	19	OK	3.0	9	3.99	19	0.16	C
AL	-	-	-	-	-	18	1.38	-	-	C
AF	0.5	2	MAX	OK	0.45	1.5	1.13	-	0.15	N
AL	0.5	2	MAX	OK	0.5	1.5	1.13	-	0.15	N
AL	-	-	-	-	-	3.0	0.42	-	-	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED ON THE NEUTRAL RELAY ONLY. ALL  
RELAYS CLEANED AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS  
AND ARE ALL IN GOOD OPERATING CONDITION.

TESTED BY: JEFF SPINNEY

DATE: 5/8/97

PAGE NO.: 7

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

FEEDER NAME: LINE #3, FDR. BKR. 52-PS4

TYPE: CO-9 (INST. O/C  
STYLE: 264C901A07 (A,B,C); 03 (N)  
TAP RANGE: 1-12A (A,B,C)  
0.5-2.5 (A,B,C)  
INST. RANGE: 6-144A (A,B,C)  
2-48A (N)

JOB NO.: 97-4346

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps. Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.		
AF	3	6.5	15	OK	2.97	9	3.97	15	0.15	A
AL	3	6.5	15	OK	3.0	9	3.97	15	0.15	A
AL	-	-	-	-	-	18	1.41	15	0.15	A
AF	3	6.5	17.5	OK	2.98	9	3.95	17.5	0.16	B
AL	3	6.5	17.5	OK	9	9	3.95	17.5	0.16	B
AL	-	-	-	-	-	18	1.34	17.5	0.16	B
AF	3	6.5	19	OK	3.0	9	3.93	19	0.16	C
AL	3	6.5	19	OK	3.0	9	3.93	19	0.16	C
AL	-	-	-	-	-	18	1.35	19	0.16	C
AF	0.5	2	MAX	OK	0.46	1.5	1.09	-	0.15	N
AL	0.5	2	MAX	OK	0.5	1.5	1.09	-	0.15	N
AL	-	-	-	-	-	3.0	0.42	-	0.15	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED ON THE NEUTRAL RELAY ONLY. ALL  
RELAYS CLEANED AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS  
AND ARE ALL IN GOOD OPERATING CONDITION.

TESTED BY: JEFF SPINNEY

DATE: 5/8/97

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

TYPE: SVT/OVERVOLTAGE GROUND  
STYLE: 606B031R10

FEEDER NAME: LINE #2, FDR. BKR. 52-PS2

TAP RANGE: 140-300 (LEFT)  
55-125 (RIGHT)

JOB NO.: 97-4346

INST. RANGE: N/A  
125V

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	200	-	2.1	OK	203	-	2.082	2.0	OK	
AF	-	100	2.1	OK	115	-	-	2.0	OK	
AL	200	-	2.1	OK	200	-	2.0	2.0	OK	
AL	-	100	2.1	OK	100	-	-	2.0	OK	

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 5/8/97

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**POWER SYSTEMS, INC.**  
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**RELAY TEST REPORT**

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

TYPE: SVT/OVERVOLTAGE GROUND  
STYLE: 606B031R10

FEEDER NAME: LINE #1, FDR. BKR. 52-PS1

TAP RANGE: 140-300 (LEFT)  
55-125 (RIGHT)

JOB NO.: 97-4346

INST. RANGE:N/A  
125V

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	200	-	2.15	OK	202	-	2.012	2.0	OK	
AF	-	100	2.15	OK	110	-	-	2.0	OK	
AL	200	-	2.15	OK	200	-	2.0	2.0	OK	
AL	-	100	2.15	OK	100	-	-	2.0	OK	

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 5/8/97

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

TYPE: SVT/OVERVOLTAGE GROUND  
STYLE: 606B031R10

FEEDER NAME: LINE #3, FDR. BKR. 52-PS3

TAP RANGE: 140-300 (LEFT)  
55-125 (RIGHT)

JOB NO.: 97-4346

INST. RANGE: N/A  
125V

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	200	-	2.1	OK	207	-	2.052	2.0	OK	
AF	-	100	2.1	OK	120	-	-	2.0	OK	
AL	200	-	2.1	OK	200	-	2.0	2.0	OK	
AL	-	100	2.1	OK	100	-	-	2.0	OK	

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 5/8/97

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

TYPE: SVT/OVERVOLTAGE GROUND  
STYLE: 606B031R10

FEEDER NAME: LINE #4, FDR. BKR. 52-PS4

TAP RANGE: 140-300 (LEFT)  
55-125 (RIGHT)

JOB NO.: 97-4346

INST. RANGE: N/A  
125V

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	200	-	2.1	OK	205	-	2.044	2.0	OK	
AF	-	100	2.1	OK	115	-	-	2.0	OK	
AL	200	-	2.1	OK	200	-	2.0	2.0	OK	
AL	-	100	2.1	OK	100	-	-	2.0	OK	

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 5/8/97

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## DIFFERENTIAL RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/NYAC/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27 KV SUB.

MFR.: WESTINGHOUSE

FEEDER NAME: LINE #1; FDR. BKR. 52-PS1

TYPE: H4 (TRANSFORMER DIFF.)

STYLE: 1962553-B

TAP RANGE: 2.9-8.7

JOB NO.: 97-4346

INST. RANGE: 10X TAP

TEST	TAP SETTINGS		SLOPE	INST.	P.U.	THRU FAULT	SLOPE	TARGET	PHASE
	WDG #1	WDG #2	%	P.U.	AMPS	AMPS	REST. I <sub>o</sub>	IR	P.U.
AF	3.2	8.7	WDG. #1 35	32	1.2		0.81 8.5	12.6	0.196 A
AL	3.2	8.7	WDG. #2 35	84	3.2		2.15 8.5	12.6	0.199 A
AF	3.2	8.7	WDG. #1 35	32	1.151		0.89 8.5	12.7	0.196 B
AL	3.2	8.7	WDG. #2 35	83	2.99		2.18 8.5	12.7	0.199 B
AF	3.2	8.7	WDG. #1 35	32	1.192		0.89 8.5	12.7	0.2 C
AL	3.2	8.7	WDG. #2 35	84	3.01		2.2 8.5	12.7	0.2 C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 5/8/97

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## DIFFERENTIAL RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/NYAC/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27 KV SUB.

MFR.: WESTINGHOUSE

TYPE: H4 (TRANSFORMER DIFF.)  
STYLE: 1962553-B

FEEDER NAME: LINE #2; FDR. BKR. 52-PS2

TAP RANGE: 2.9-8.7

JOB NO.: 97-4346

INST. RANGE: 10X TAP

TEST	TAP SETTINGS		SLOPE	INST.	P.U.	THRU FAULT	SLOPE	TARGET	PHASE
	WDG #1	WDG #2	%	P.U.	AMPS	AMPS	REST. I <sub>o</sub>	IR	P.U.
AF	3.2	8.7	WDG. #1 35	32	1.22		.88	7.6	12.5 0.19 A
AL	3.2	8.7	WDG. #2 35	84	3.26		2.4	7.6	12.5 0.19 A
AF	3.2	8.7	WDG. #1 35	32	1.14		.858	7.9	13.0 0.2 B
AL	3.2	8.7	WDG. #2 35	83	3.17		2.18	7.9	13.0 0.2 B
AF	3.2	8.7	WDG. #1 35	32	1.185		.861	8.0	13.0 0.19 C
AL	3.2	8.7	WDG. #2 35	84	3.25		2.5	8.0	13.0 0.2 C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 5/8/97

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### DIFFERENTIAL RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/NYAC/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27 KV SUB.

MFR.: WESTINGHOUSE

TYPE: H4 (TRANSFORMER DIFF.)  
STYLE: 1962553-B

FEEDER NAME: LINE #2; FDR. BKR. 52-PS2

TAP RANGE: 2.9-8.7

JOB NO.: 97-4346

INST. RANGE: 10X TAP

TEST	TAP SETTINGS		SLOPE	INST.	P.U.	THRU FAULT	SLOPE	TARGET	PHASE
	WDG #1	WDG #2	%	P.U.	AMPS	AMPS	REST. Io	IR	P.U.
AF	3.2	8.7	WDG. #1 35	34	1.19		.93	7.6	12.5 0.2 A
AL	3.2	8.7	WDG. #2 35	85	3.12		2.43	7.6	12.5 0.2 A
AF	3.2	8.7	WDG. #1 35	33	1.185		1.08	7.9	13.0 0.19 B
AL	3.2	8.7	WDG. #2 35	84	3.12		2.93	7.9	13.0 0.19 B
AF	3.2	8.7	WDG. #1 35	32	1.18		.907	8.0	13.0 0.19 C
AL	3.2	8.7	WDG. #2 35	84	3.24		2.23	8.0	13.0 0.19 C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 5/8/97

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## DIFFERENTIAL RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/NYAC/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27 KV SUB.

MFR.: WESTINGHOUSE

TYPE: H4 (TRANSFORMER DIFF.)  
STYLE: 1962553-B

FEEDER NAME: LINE #4; FDR. BKR. 52-PS4

TAP RANGE: 2.9-8.7

JOB NO.: 97-4346

INST. RANGE: 10X TAP

TEST	TAP SETTINGS		SLOPE	INST.	P.U.	THRU FAULT	SLOPE	TARGET	PHASE		
	WDG #1	WDG #2	%	P.U.	AMPS	AMPS	REST. I <sub>o</sub>	IR	P.U.		
AF	3.2	8.7	WDG. #1 35	33	1.18		.81	8.5	13.2	0.21	A
AL	3.2	8.7	WDG. #2 35	85	3.23		2.15	7.6	13.2	0.21	A
AF	3.2	8.7	WDG. #1 35	32	1.16		1.04	7.8	12.8	0.19	B
AL	3.2	8.7	WDG. #2 35	84	3.07		2.8	7.8	12.8	0.19	B
AF	3.2	8.7	WDG. #1 35	32	1.194		1.0	7.8	12.7	0.2	C
AL	3.2	8.7	WDG. #2 35	85	3.17		3.0	7.8	12.7	0.2	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 5/8/97

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## H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 97-4346  
MANUFACTURER: WESTINGHOUSE VOLTAGE CLASS: 4.76KV  
MFG. S/N: 4935 TYPE: 50 VCP 350 AMPS: 1200  
DESIGNATION: LINE NO. 1-BUS A-UNIT NO. 1B LOCATION: 5KV SUB.

## =====

## MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

-----

A-B PHASE: 100,000	A-PHASE TO GROUND: 50,000	A-A PHASE (OPEN): 100,000
B-C PHASE: 80,000	B-PHASE TO GROUND: 40,000	B-B PHASE (OPEN): 100,000
C-A PHASE: 100,000	C-PHASE TO GROUND: 50,000	C-C PHASE (OPEN): 60,000

## CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 14                      PHASE-B: 15                      PHASE-C: 15

## TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN:                      TIME TO CLOSE:

## ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 5	COUNTER READING AF 99900
	AL 99905

INSPECTION CHECK LIST  
CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

=====

REMARKS: VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

TESTED BY: E. HESTER/J. SPINNEY DATE: 5/9/97

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## H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 97-4346  
MANUFACTURER: WESTINGHOUSE VOLTAGE CLASS: 4.76KV  
MFG. S/N: 4933 TYPE: 50 VCP 350 AMPS: 1200  
DESIGNATION: LINE NO. 2-BUS A-UNIT NO. 7B LOCATION: MAIN 5KV SUB.

## =====

## MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: 10,000 A-PHASE TO GROUND: 2,000 A-A PHASE (OPEN): 10,000  
B-C PHASE: 40,000 B-PHASE TO GROUND: 10,000 B-B PHASE (OPEN): 25,000  
C-A PHASE: 30,000 C-PHASE TO GROUND: 40,000 C-C PHASE (OPEN): 15,000

## CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 13 PHASE-B: 13 PHASE-C: 13

## TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN: TIME TO CLOSE:

## ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :	
ARCING CONTACT WIPE :	INTERLOCK SWITCH :	
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:	
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :	
RELEASE LATCH WIPE :	LATCH DEVICE :	
TIMES OF OPERATION : 7	COUNTER READING	AF 99934
		AL 99941

INSPECTION CHECK LIST  
CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

REMARKS: VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

TESTED BY: E. HESTER/J. SPINNEY DATE: 5/12/97  
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## H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 97-4346  
MANUFACTURER: WESTINGHOUSE VOLTAGE CLASS: 4.76KV  
MFG. S/N: 4936 TYPE: 50 VCP 350 AMPS: 1200  
DESIGNATION: TIE BREAKER 52-BT2 UNIT NO. 9B LOCATION: MAIN 5KV SUB.

## =====

## MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

-----

A-B PHASE: INF.	A-PHASE TO GROUND: INF.	A-A PHASE (OPEN): INF.
B-C PHASE: INF.	B-PHASE TO GROUND: INF.	B-B PHASE (OPEN): INF.
C-A PHASE: INF.	C-PHASE TO GROUND: INF.	C-C PHASE (OPEN): INF.

## CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 13                      PHASE-B: 13                      PHASE-C: 13

## TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN:                      TIME TO CLOSE:

## ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 5	COUNTER READING        AF 99820
	AL 98825

INSPECTION CHECK LIST  
CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

=====

REMARKS: VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

TESTED BY: E. HESTER/J. SPINNEY DATE: 5/14/97

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### H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 97-4346  
MANUFACTURER: WESTINGHOUSE VOLTAGE CLASS: 4.76KV  
MFG. S/N: 4970 TYPE: 50 VCP 350 AMPS: 1200  
DESIGNATION: TIE BREAKER 52-BT2 UNIT NO. 9A LOCATION: MAIN 5KV SUB.

#### MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: INF.	A-PHASE TO GROUND: INF.	A-A PHASE (OPEN): INF.
B-C PHASE: INF.	B-PHASE TO GROUND: INF.	B-B PHASE (OPEN): INF.
C-A PHASE: INF.	C-PHASE TO GROUND: INF.	C-C PHASE (OPEN): INF.

#### CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 14	PHASE-B: 15	PHASE-C: 16
-------------	-------------	-------------

#### TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN:	TIME TO CLOSE:
---------------	----------------

#### ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 5	COUNTER READING AF 99815
	AL 99820

#### INSPECTION CHECK LIST CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

REMARKS: C-PHASE INSULATOR CRACKED. DEFECTIVE CUBICLE RAILS. LEFT RAIL BENT AND WILL NOT LOCK INTO PLACE; RIGHT RAIL BENT.

VI TEST: A-OK, B-OK, C-OK VI TEST AT 36 KV

TESTED BY: E. HESTER/J. SPINNEY DATE: 5/14/97

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.MFR.: WESTINGHOUSE  
TYPE: CO-9 OVER CURRENT

FEEDER NAME: LINE #1, BUS "A" UNIT 1A

TAP RANGE: 1-12 AMP

JOB NO.: 97-4346

INST. RANGE: 6-144 AMP

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	6	6	MAX	OK	6.0	18	3.59	-	2.1	A
AL	6	6	MAX	OK	6.0	18	3.59	-	2.1	A
AL	6	6	MAX	OK	6.0	36	1.25	-	2.1	A
AF	6	6	MAX	OK	5.95	18	3.59	-	1.9	B
AL	6	6	MAX	OK	6.0	18	3.59	-	1.9	B
AL	6	6	MAX	OK	6.0	36	1.25	-	1.9	B
AF	6	6	MAX	OK	6.02	18	3.47	-	1.8	C
AL	6	6	MAX	OK	6.0	18	3.47	-	1.8	C
AL	6	6	MAX	OK	6.0	36	1.24	-	1.8	C
AF	6	5	MAX	OK	6.05	18	3.08	-	1.9	N
AL	6	5	MAX	OK	6.0	18	3.08	-	1.9	N
AL	6	5	MAX	OK	6.0	36	1.07	-	1.9	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED AND CALIBRATED PER  
MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CO-9 OVER CURRENT

FEEDER NAME: LINE #2, BUS "A" UNIT 7A

TAP RANGE: 1-12 AMP

JOB NO.: 97-4346

INST. RANGE: 6-144 AMP

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	6	6	MAX	OK	6.02	18	3.46	-	1.7	A
AL	6	6	MAX	OK	6.0	18	3.46	-	1.7	A
AL	6	6	MAX	OK	6.0	36	1.28	-	1.7	A
AF	6	6	MAX	OK	6.08	18	3.43	-	1.7	B
AL	6	6	MAX	OK	6.0	18	3.43	-	1.7	B
AL	6	6	MAX	OK	6.0	36	1.26	-	1.7	B
AF	6	6	MAX	OK	5.97	18	3.45	-	1.8	C
AL	6	6	MAX	OK	6.0	18	3.45	-	1.8	C
AL	6	6	MAX	OK	6.0	36	1.26	-	1.8	C
AF	6	5	MAX	OK	6.03	18	2.99	-	1.9	N
AL	6	5	MAX	OK	6.0	18	2.99	-	1.9	N
AL	6	5	MAX	OK	6.0	36	1.10	-	1.9	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED AND CALIBRATED PER  
MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY

MFR.: WESTINGHOUSE

SUB.: MAIN 5KV SUB.

TYPE: CO-9 (OVERCURRENT)

FEEDER NAME: LINE #3 - BUS B - LINE #13A

STYLE: 264C901A07

TAP RANGE: 1-12A (A,B,C,N)

JOB NO.: 97-4346

INST. RANGE: 6-144A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps. Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.		
AF	6	6	MAX	OK	6.0	18	3.68	-	2.0	A
AL	6	6	MAX	OK	6.0	18	3.68	-	2.0	A
AL	-	-	-	-	-	36	1.26	-	-	A
AF	6	6	MAX	OK	6.02	18	3.56	-	1.8	B
AL	6	6	MAX	OK	6.0	18	3.56	-	1.8	B
AL	-	-	-	-	-	36	1.27	-	-	B
AF	6	6	MAX	OK	6.0	18	3.61	-	1.9	C
AL	6	6	MAX	OK	6.0	18	3.61	-	1.9	C
AL	-	-	-	-	-	36	1.25	-	-	C
AF	6	5	MAX	OK	6.03	18	3.14	-	2.2	N
AL	6	5	MAX	OK	6.0	18	3.14	-	2.2	N
AL	-	-	-	-	-	36	1.08	-	-	N

REMARKS: CAT. # CO-9H1111N. INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED, AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CO-9 (OVERCURRENT)  
STYLE: 264C901A07

FEEDER NAME: LINE #4 - BUS B - LINE #17A

TAP RANGE: 1-12A (A,B,C,N)

JOB NO.: 97-4346

INST. RANGE: 6-144A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps. Set.	Amps. Adjust.	Amps.		Amps.	Amps.	Sec.	Amps.	Amps.	
AF	6	6	MAX	-	6.0	18	3.42	-	1.8	A
AL	6	6	MAX	-	6.0	18	3.42	-	1.8	A
AL	-	-	-	-	-	36	1.25	-	-	A
AF	6	6	MAX	-	6.02	18	3.44	-	2.0	B
AL	6	6	MAX	-	6.0	18	3.44	-	2.0	B
AL	-	-	-	-	-	36	1.24	-	-	B
AF	6	6	MAX	-	6.04	18	3.41	-	1.8	C
AL	6	6	MAX	-	6.0	18	3.41	-	1.8	C
AL	-	-	-	-	-	36	1.23	-	-	C
AF	6	5	MAX	-	6.02	18	3.15	-	1.9	N
AL	6	5	MAX	-	6.0	18	3.15	-	1.9	N
AL	-	-	-	-	-	36	1.07	-	-	N

REMARKS: CAT. # CO-9H1111N. INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED, AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

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**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CO-9 (OVERCURRENT)  
STYLE: 264C901A07

FEEDER NAME: LINE #3 - BUS B - LINE #13A

TAP RANGE: 1-12A (A,B,C,N)

JOB NO.: 97-4346

INST. RANGE: 6-144A

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	6	6	MAX	-	6.0	18	3.42	-	1.8	A
AL	6	6	MAX	-	6.0	18	3.42	-	1.8	A
AL	-	-	-	-	-	36	1.25	-	-	A
AF	6	6	MAX	-	6.02	18	3.44	-	2.0	B
AL	6	6	MAX	-	6.0	18	3.44	-	2.0	B
AL	-	-	-	-	-	36	1.24	-	-	B
AF	6	6	MAX	-	6.04	18	3.41	-	1.8	C
AL	6	6	MAX	-	6.0	18	3.41	-	1.8	C
AL	-	-	-	-	-	36	1.23	-	-	C
AF	6	5	MAX	-	6.02	18	3.15	-	1.9	N
AL	6	5	MAX	-	6.0	18	3.15	-	1.9	N
AL	-	-	-	-	-	36	1.07	-	-	N

REMARKS: CAT. # CO-9H1111N. INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED, AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY  
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**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CO-9 (BUS DIFFERENTIAL)  
STYLE: 264C901A07

FEEDER NAME: TIE BREAKER 52-BT1 (UNIT #9A)

TAP RANGE: 1-12A (A,B,C)

JOB NO.: 97-4346

INST. RANGE: 6-144A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	4	3	MAX	OK	3.98	12	1.88	-	0.17	A
AL	4	3	MAX	OK	4.0	12	1.88	-	0.17	A
AL	-	-	-	-	4.0	24	0.72	-	-	A
AF	4	3	MAX	OK	4.02	12	1.85	-	0.17	B
AL	4	3	MAX	OK	4.0	12	1.85	-	0.17	B
AL	-	-	-	-	4.0	24	0.67	-	-	B
AF	4	3	MAX	OK	3.96	12	1.78	-	0.16	C
AL	4	3	MAX	OK	4.0	12	1.78	-	0.16	C
AL	-	-	-	-	4.0	24	0.65	-	-	C

REMARKS: CAT. # CO-9H1111N. INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED, AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY

MFR.: WESTINGHOUSE

SUB.: MAIN 5KV SUB.

TYPE: CO-9 (INSTANTANEOUS O/C)  
STYLE: 264C901A07

FEEDER NAME: TIE BREAKER 52-BT2 (UNIT #9B)

TAP RANGE: 1-12A (A,B,C,N)

JOB NO.: 97-4346

INST. RANGE: 6-144A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	4	3	MAX	OK	3.97	12	1.67	-	2.1	A
AL	4	3	MAX	OK	4.0	12	1.67	-	2.1	A
AL	-	-	-	-	4.0	24	0.59	-	-	A
AF	4	3	MAX	OK	3.99	12	1.64	-	1.8	B
AL	4	3	MAX	OK	4.0	12	1.64	-	1.8	B
AL	-	-	-	-	4.0	24	0.64	-	-	B
AF	4	3	MAX	OK	4.03	12	1.63	-	2.0	C
AL	4	3	MAX	OK	4.0	12	1.63	-	2.0	C
AL	-	-	-	-	4.0	24	0.60	-	-	C
AF	2	4	MAX	OK	2.02	6	2.39	-	1.7	N
AL	2	4	MAX	OK	2.0	6	2.39	-	1.7	N
AL	-	-	-	-	2.0	12	0.84	-	-	N

REMARKS: THE INSTANTANEOUS IS DISABLED. ALL RELAYS CLEANED AND CALIBRATED  
PER MANUFACTURER'S SPECS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

PAGE NO.: 29

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**POWER SYSTEMS, INC.**  
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**RELAY TEST REPORT**

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE  
TYPE: CO-9 (BUS DIFFERENTIAL)  
STYLE: 264C901A07  
TAP RANGE: 1-12A (A,B,C)

FEEDER NAME: TIE BREAKER 52-BT2 (UNIT #9B)

JOB NO.: 97-4346

INST. RANGE: 6-144A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.
AF	4	3	MAX	OK	3.98	12	1.81	-	0.16
AL	4	3	MAX	OK	4.0	12	1.81	-	0.16
AL	-	-	-	-	4.0	24	0.64	-	-
AF	4	3	MAX	OK	3.97	12	1.75	-	0.16
AL	4	3	MAX	OK	4.0	12	1.75	-	0.16
AL	-	-	-	-	4.0	24	0.66	-	-
AF	4	3	MAX	OK	4.0	12	1.74	-	0.17
AL	4	3	MAX	OK	4.0	12	1.74	-	0.17
AL	-	-	-	-	4.0	24	0.66	-	-

REMARKS: CAT. #CO-9H111N. THE INSTANTANEOUS TRIP IS DISABLED. RELAYS  
CLEANED AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND  
ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

PAGE NO.: 30



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CR-9 DIRECTIONAL O/C

FEEDER NAME: LINE NO. 1 - BUS "A" - UNIT 1 "A"

TAP RANGE: 4-12 AMP

JOB NO.: 97-4346

INST. RANGE: 20-30 AMP

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	6	2	MAX	OK	6.01	18	0.995	-	2.01	A
AL	6	2	MAX	OK	6.0	18	1.0	-	2.0	A
AL	6	2	MAX	OK	6.0	36	0.355	-	2.0	A
AF	6	2	MAX	OK	5.65	18	1.016	-	2.03	B
AL	6	2	MAX	OK	6.0	18	1.0	-	2.0	B
AL	6	2	MAX	OK	6.0	36	0.364	-	2.0	B
AF	6	2	MAX	OK	6.0	18	1.023	-	2.02	C
AL	6	2	MAX	OK	6.0	18	1.0	-	2.0	C
AL	6	2	MAX	OK	6.0	36	0.371	-	2.0	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON

MFR.: WESTINGHOUSE

BROOKLYN, NY

SUB.: MAIN 5KV SUB.

TYPE: CR-9 DIRECTIONAL O/C

FEEDER NAME: LINE NO. 2 - BUS "A" - UNIT 7 "A"

TAP RANGE: 4-12 AMP

JOB NO.: 97-4346

INST. RANGE: 20-30 AMP

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.
AF	6	2	MAX	OK	5.73	18	1.012	-	1.96
AL	6	2	MAX	OK	6.0	18	1.0	-	1.9
AL	6	2	MAX	OK	6.0	36	0.384	-	1.9
AF	6	2	MAX	OK	5.78	18	1.014	-	1.98
AL	6	2	MAX	OK	6.0	18	1.0	-	1.9
AL	6	2	MAX	OK	6.0	36	0.388	-	1.9
AF	6	2	MAX	OK	5.76	18	1.018	-	2.01
AL	6	2	MAX	OK	6.0	18	1.0	-	2.0
AL	6	2	MAX	OK	6.0	36	0.393	-	2.0

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

PAGE NO.: 32



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.MFR.: WESTINGHOUSE  
TYPE: CR-9 DIRECTIONAL O/C

FEEDER NAME: LINE NO. 3 - BUS "B" - UNIT 13 "A" TAP RANGE: 4-12 AMP

JOB NO.: 97-4346

INST. RANGE: 20-30 AMP

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	6	2	MAX	OK	5.82	18	1.999	-	1.98	A
AL	6	2	MAX	OK	6.0	18	1.0	-	1.9	A
AL	-	-	-	-	-	36	0.372	-	1.9	A
AF	6	2	MAX	OK	5.81	18	1.018	-	2.01	B
AL	6	2	MAX	OK	6.0	18	1.0	-	2.0	B
AL	-	-	-	-	-	36	0.380	-	2.0	B
AF	6	2	MAX	OK	5.81	18	1.013	-	1.97	C
AL	6	2	MAX	OK	6.0	18	1.0	-	1.9	C
AL	-	-	-	-	-	36	0.375	-	1.9	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

PAGE NO.: 33

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## SECTION J: ATTACHMENT F

24-Hour Emergency Hotline  
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**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CR-9 DIRECTIONAL O/C  
STYLE: 1875596

FEEDER NAME: LINE NO. 4 - BUS "B" - UNIT 17 "A" TAP RANGE: 4-12 (A,B,C)

JOB NO.: 97-4346

INST. RANGE: 20-80 AMP

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps. Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.		
AF	6	2	MAX	OK	5.96	18	1.017	-	2.01	A
AL	6	2	MAX	OK	6.0	18	1.0	-	2.0	A
AL	-	-	-	-	-	36	0.392	-	-	A
AF	6	2	MAX	OK	5.98	18	1.149	-	2.02	B
AL	6	2	MAX	OK	6.0	18	1.0	-	2.0	B
AL	-	-	-	-	-	36	0.402	-	2.0	B
AF	6	2	MAX	OK	5.98	18	1.092	-	2.02	C
AL	6	2	MAX	OK	6.0	18	1.0	-	2.0	C
AL	-	-	-	-	-	36	0.398	-	-	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATION.

TESTED BY: J. SPINNEY

DATE: 5/7/97

PAGE NO.: 34

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**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY

MFR.: WESTINGHOUSE

SUB.: MAIN 5KV SUB.

TYPE: CW POWER RELAY

FEEDER NAME: LINE NO. 1 - BUS "A" - UNIT 1A

TAP RANGE: 20-120 WATTS

JOB NO.: 97-4346

INST. RANGE: N/A

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	POWER	TIME	P.U.	SEAL-IN	
	Watts Set.	Amps.	Adjust.	Amps.	Watts	Sec.	Amps.	Amps.		
AF	20	2	-	OK	27.6	60	0.959	-	1.96	A
AL	20	2	-	OK	20	60	1.0	-	1.9	A
AL	20	2	-	OK	20	120	0.592	-	1.9	A
AF	20	2	-	OK	28.3	60	0.974	-	1.92	B
AL	20	2	-	OK	20	60	1.0	-	1.9	B
AL	20	2	-	OK	20	120	0.606	-	1.9	B
AF	20	2	-	OK	26.9	60	0.991	-	1.93	B
AL	20	2	-	OK	20	60	1.0	-	1.9	B
AL	20	2	-	OK	20	120	0.595	-	1.9	B

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 5/7/97

PAGE NO.: 35

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CW POWER RELAY

FEEDER NAME: LINE NO. 2 - BUS "A" - UNIT 7A

TAP RANGE: 20-120 WATTS

JOB NO.: 97-4346

INST. RANGE: N/A

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	POWER	TIME	P.U.	SEAL-IN	
	Watts Set.		Amps.	Adjust.	Amps.	Watts	Sec.	Amps.	Amps.	
AF	20	2	-	OK	25.6	60	0.989	-	1.86	A
AL	20	2	-	OK	21	60	1.0	-	1.86	A
AL	20	2	-	OK	21	120	0.532	-	1.8	A
AF	20	2	-	OK	23.2	60	0.992	-	1.96	B
AL	20	2	-	OK	20	60	1.0	-	1.9	B
AL	20	2	-	OK	20	120	0.571	-	1.9	B
AF	20	2	-	OK	29.7	60	0.962	-	1.88	C
AL	20	2	-	OK	21	60	1.0	-	1.88	C
AL	20	2	-	OK	21	120	0.559	-	1.8	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 5/7/97

PAGE NO.: 36

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24-Hour Emergency Hotline  
(908) 679-1800



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CW (DIRECTIONAL POWER)  
STYLE: 289B988A17-A

FEEDER NAME: LINE NO. 3 - BUS "B" - UNIT 13A

TAP RANGE: 20-120 WATTS

JOB NO.: 97-4346

INST. RANGE: N/A  
120V; 5A;

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	POWER	TIME	P.U.	SEAL-IN	
	Watts Set.		Amps.	Adjust.	Amps.	Watts	Sec.	Amps.	Amps.	
AF	20	2	-	OK	27.6	60	0.963	-	1.96	A
AL	20	2	-	OK	20	60	1.0	-	1.9	A
AL	-	-	-	OK	-	120	0.588	-	-	A
AF	20	2	-	OK	27.4	60	0.983	-	1.99	B
AL	20	2	-	OK	20	60	1.0	-	1.9	B
AL	-	-	-	-	-	120	0.591	-	-	B
AF	20	2	-	OK	26.6	60	1.038	-	2	C
AL	20	2	-	OK	20	60	1.0	-	2	C
AL	-	-	-	-	-	120	0.589	-	-	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 5/7/97

PAGE NO.: 37

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Amend. 0002-45



24-Hour Emergency Hotline  
(908) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.  
FEEDER NAME: LINE NO. 4 - BUS "B" - UNIT 17A  
JOB NO.: 97-4346

MFR.: WESTINGHOUSE  
TYPE: CW (DIRECTIONAL POWER)  
STYLE: 289B988A17-A  
TAP RANGE: 20-120 WATTS  
INST. RANGE: N/A  
120V; 5A;

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	POWER	TIME	P.U.	SEAL-IN	
Watts Set.	Amps.	Adjust.	Amps.	Watts	Sec.	Amps.	Amps.			
AF	20	2	-	OK	25.5	60	1.013	-	2.02	A
AL	20	2	-	OK	20	60	1.0	-	2.0	A
AL	-	-	-	-	-	120	0.614	-	-	A
AF	20	2	-	OK	28.1	60	0.999	-	1.65	B
AL	20	2	-	OK	20	60	1.0	-	1.6	B
AL	-	-	-	-	-	120	0.592	-	-	B
AF	20	2	-	OK	27.8	60	1.011	-	1.89	C
AL	20	2	-	OK	20	60	1.0	-	1.8	C
AL	-	-	-	-	-	120	0.604	-	-	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 5/7/97

PAGE NC.: 38

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## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: 12IAV53K1A

UNDER/OVER VOLTAGE

FEEDER NAME: LINE NO. 1 - BUS "A"

TAP RANGE: 55-140 VAC

JOB NO.: 97-4346

INST. RANGE: N/A

## TEST

## TIMING

	TAP	TAP	P.U	P.U.	140-0	0-210	TARGET		PHASE
	U.V.	O.V	U.V.	O.V.	U.V.	O.V.	U.V.	O.V	
=====									
AF	100	140	104.3	149.2	6.072	4.734	1.96	2.04	A-B

115-0115-210

AL	100	140	100	140	4.027	2.852	1.9	2.0	A-B
----	-----	-----	-----	-----	-------	-------	-----	-----	-----

140-00-210

AF	100	140	103.6	145.5	6.123	4.717	2.01	2.0	B-C
----	-----	-----	-------	-------	-------	-------	------	-----	-----

115-0115-210

AL	100	140	100	140	3.904	2.881	2.0	2.0	B-C
----	-----	-----	-----	-----	-------	-------	-----	-----	-----

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 5/8/97

PAGE NO.: 39

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**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: 12IAV53K1A

UNDER/OVER VOLTAGE

FEEDER NAME: LINE NO. 2 - BUS "A" UNIT 7A

TAP RANGE: 55-140 VAC

JOB NO.: 97-4346

INST. RANGE: N/A

TEST	TIMING								
	TAP	TAP	P.U.	P.U.	140-0	0-210	TARGET		PHASE
	U.V.	O.V.	U.V.	O.V.	U.V.	O.V.	U.V.	O.V.	
AF	100	140	102.6	144.7	6.090	4.792	1.94	1.93	A-B
					<u>115-0</u>	<u>115-210</u>			
AL	100	140	100	140	3.872	2.783	1.9	1.9	A-B
					<u>140-0</u>	<u>0-210</u>			
AF	100	140	103.5	145	6.128	4.699	1.89	1.99	B-C
					<u>115-0</u>	<u>115-210</u>			
AL	100	140	100	140	3.965	2.806	1.9	1.99	B-C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 5/8/97

PAGE NO.: 40

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24-Hour Emergency Hotline  
(908) 679-1800



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: 12IAV53K1A

UNDER/OVER VOLTAGE

FEEDER NAME: LINE NO. 3 - BUS "B" UNIT 13A

TAP RANGE: 55-140 VAC

JOB NO.: 97-4346

INST. RANGE: N/A

TEST		TIMING							
TAP	TAP	P.U.	P.U.	140-0	0-210	TARGET	PHASE		
U.V.	O.V.	U.V.	O.V.	U.V.	O.V.	U.V.	O.V.		
AF	100	140	101.8	145.1	6.117	4.698	1.84	1.69	A-B
				<u>115-0</u>	<u>115-210</u>				
AL	100	140	100	140	3.921	2.787	1.84	1.69	A-B
				<u>140-0</u>	<u>0-210</u>				
AF	100	140	103.7	144.2	6.098	4.599	1.78	1.8	B-C
				<u>115-0</u>	<u>115-210</u>				
AL	100	140	100	140	3.916	2.707	1.78	1.8	B-C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 5/8/97

PAGE NO.: 41

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24-Hour Emergency Hotline  
(908) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: 12IAV53K1A

UNDER/OVER VOLTAGE

FEEDER NAME: LINE NO. 4 - BUS "B" UNIT 17A

TAP RANGE: 55-140 VAC

JOB NO.: 97-4346

INST. RANGE: N/A

## TEST

## TIMING

	TAP	TAP	P.U.	P.U.	140-0	0-210	TARGET	PHASE
	U.V.	O.V.	U.V.	O.V.	U.V.	O.V.	U.V.	O.V.
AF	100	140	103.1	146.2	6.115	4.692	1.81	1.88 A-B

115-0115-210

AL	100	140	100	140	4.006	2.801	1.81	1.88 A-B
----	-----	-----	-----	-----	-------	-------	------	----------

140-00-210

AF	100	140	102.9	145.8	6.090	4.714	1.91	1.82 B-C
----	-----	-----	-------	-------	-------	-------	------	----------

115-0115-210

AL	100	140	100	140	3.915	2.781	1.91	1.82 B-C
----	-----	-----	-----	-----	-------	-------	------	----------

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 5/8/97

PAGE NO.: 42

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**REPORT ON THE  
ELECTRICAL OVERHEAD  
DISTRIBUTION  
SYSTEM  
FROM OCT 1<sup>ST</sup> 96  
TILL  
SEPT 30<sup>TH</sup> 97**

POLE	POLE CONDITION	TOP ARMS CONDITION	BOTTOM ARMS CONDITION	CUT-OUTS	TRANSFORMER CONDITION	ARRESTORS	TRIMMING	GUY	POLE TYPE	SERVICE REQUIRED	AIR SWITCH SERVICE	ADDITIONAL NOTES
1	FAIR	REPLACE 2	POOR	REPLACE 1	CHECK 3-15KVA	REPLACE 3-3KV	YES	FAIR	DEAD-END	RECONNECT 1-15KV XTRANS		
2	FAIR							FAIR	STRAIGHT			REMOVE EXISTING CUTOUT NOT IN USE
3	FAIR	ARMS BROKEN	REPLACE 4						90 DEGREE/CORNER	TIGHTEN BUGS		
4	POOR	POOR	POOR		CHECK 3-25KVA				STRAIGHT	TIGHTEN BUGS		
4A	FAIR								GUY POLE			
5	POOR	POOR	POOR		CHECK 3-25KVA				STRAIGHT	TIGHTEN BUGS		
6	FAIR	REPLACE	FAIR		CHECK 3-50KVA				STRAIGHT	TIGHTEN BUGS		
7	FAIR	FAIR	FAIR				YES		STRAIGHT	W/3 PHASE TAP		
8	FAIR	FAIR							DEAD-END RISER			
9	FAIR	REPLACE ARM			CK 3-50KVA				STRAIGHT			3 PHASE BANK
10	FAIR	FAIR	FAIR						STRAIGHT			
11	FAIR	REPLACE	FAIR				YES		STRAIGHT RISER			IMMEDIATE ATTENTION
12	FAIR	SWITCH	FAIR				YES		2 CIRCUIT POLE			CLEAN AND LUBE SWITCH REPLACE BROKEN INSULATOR
13	GOOD	GOOD	GOOD				YES		STRAIGHT			
14	FAIR	FAIR	FAIR				YES	FAIR	90 DEGREE CORNER	TIGHTEN BUGS		
15	FAIR	FAIR	FAIR					GOOD	STRAIGHT	W/3PHASE TAP	TIGHTEN BUGS	
16	FAIR	FAIR	FAIR						STRAIGHT			
17	FAIR	FAIR	FAIR					GOOD	CORNER POLE	TIGHTEN BUGS		
18	FAIR	FAIR	FAIR		1-25KVA		YES	FAIR	CORNER POLE			
19	REPLACE	REPLACE	REPLACE				YES		STRAIGHT			IMMEDIATE ATTENTION
20	FAIR	FAIR	FAIR		1-25KVA				AIR SWITCH POLE	TIGHTEN CONN.		
21	FAIR	FAIR	FAIR					FAIR	AIR SWITCH POLE	TIGHTEN CONN.		
22	FAIR	FAIR	FAIR		3-50KVA			FAIR	20 DEGREE ANGLE			
24	FAIR	FAIR	GOOD					FAIR	STRAIGHT W/3PHASE	TIGHTEN BUGS		
24 A	FAIR	FAIR	FAIR						STRAIGHT			
25	GOOD	GOOD	GOOD						STRAIGHT			TIGHTEN BUGS; CLEAN & LUBE AIR SWITCH/REPAIR OPERATOR
26	FAIR	FAIR	FAIR					NEEDS ADDITIONAL	CORNER POLE	TIGHTEN BUGS		POLE LEANING NORTHEAST-NEEDS MORE GUY
27	GOOD	GOOD	GOOD						STRAIGHT			
28	GOOD	GOOD	GOOD						STRAIGHT			
29	FAIR	FAIR	FAIR		CK 1-75KVA	REPLACE 3-3KV			STRAIGHT			
30	FAIR	FAIR	FAIR					REPLACE CABLE	DEADEND RISER			
31	REPLACE	REPLACE	REPLACE		3-75KVA BAD				RISER POLE			
32	FAIR	FAIR	FAIR						DEAD-END			
33	RECENTLY REPLACED								STRAIGHT			
34	FAIR	FAIR	FAIR		CK 3-50KVA			FAIR	STRAIGHT W/3 PHASE	TIGHTEN CONN.		
35	FAIR	FAIR	FAIR						STRAIGHT			6FT. ARMS
36	FAIR	FAIR	FAIR					FAIR	DEADEND RISER			WORN INSULATION ON SEC. RISER
37	FAIR	FAIR	FAIR		CK 3-25 KVA							ENTERING THE WEATHERHEAD
38	REPLACE	REPLACE	REPLACE		CK 3-37.5 KVA				STRAIGHT			IMMEDIATE ATTENTION
39	FAIR	FAIR	FAIR					FAIR	90 DEG CORNER	TIGHTEN CONN.		
40	FAIR	FAIR	FAIR	REPLACE SOLID					STRAIGHT	TIGHTEN CONN.		CHANGE SOLID BLADE TO FUSED
41	FAIR	FAIR	FAIR		CK 3-25KVA			FAIR	90 DEG CORNER	TIGHTEN CONN.		COMM CABLE & GUY WIRE HANGING
42 A	FAIR	FAIR	FAIR						GUY POLE/SEC. POLE			

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WATT ELECTRIC  
4 LINDA LANE  
SOUTHAMPTON, NJ  
08088

# SECTION J: ATTACHMENT H

POLES REQUIRING IMMEDIATE ATTENTION

WORKSHEET: POLE INSPECTION REPORT  
JOB: FT. HAMILTON-MAINTENANCE  
FILE: A:\JOHNSON CONTROLS\POLECOND  
DATE: 11/15/96  
PAGE: (2)

POLE	POLE CONDITION	TOP ARMS CONDITION	BOTTOM ARMS CONDITION	CUT-OUTS	TRANSFORMER CONDITION	ARRESTORS	TRIMMING	GUY	POLE TYPE	SERVICE REQUIRED	AIR SWITCH SERVICE	ADDITIONAL NOTES
42	FAIR	FAIR	FAIR		CK 1-25KVA			FAIR	90 DEG CORNER	TIGHTEN CONN.		
43	FAIR	FAIR	FAIR		CK 3-15KVA				RISER-STRAIGHT			BIRD NEST IN WEATHER HEAD/1 TRANS OUT
44	FAIR	FAIR	FAIR						STRAIGHT			
45	FAIR	FAIR	FAIR						STRAIGHT			
46	FAIR	FAIR	FAIR		CK 3-50KVA				RISER-STRAIGHT	TIGHTEN CONN.		REPAIR TRIPLEX DAMAGED BY TREES
47	FAIR	FAIR	FAIR						STRAIGHT			
47 A	FAIR	FAIR	FAIR	REPLACE SOLID					STRAIGHT	TIGHTEN CONN.		CHANGE SOLID BLADE TO FUSED 6 FOOT ARMS
49	FAIR	FAIR	FAIR		CK 3-37.5 KVA				3 PHASE BANK	TIGHTEN CONN.		
50	FAIR	FAIR	FAIR						SWITCH POLE		CLEAN & SERVICE SWITCH	REPLACE SWITCH OPERATOR AND INSTALL NEW GROUNDS
51 A	FAIR	FAIR	FAIR									
52	FAIR	FAIR	FAIR						STRAIGHT			
53	FAIR	FAIR	FAIR						STRAIGHT			
54	FAIR	FAIR	FAIR						STRAIGHT	ANCHORS FAIR		
55	POOR	GOOD	GOOD		CK 3-37.5KVA			FAIR	DEAD-END CORNER	TIGHTEN BUGS		
56	FAIR	FAIR	FAIR	REPLACE SOLID					STRAIGHT	TIGHTEN CONN.		CHANGE SOLID BLADE TO FUSED 56 TO 61 REPLACE 1PHASE 1/0 Cu.
57	FAIR	FAIR	FAIR				YES		STRAIGHT			
58	FAIR	FAIR	FAIR				YES		STRAIGHT			
60	NEW	NEW	NEW		3-37.5 KVA		YES		STRAIGHT RISER			RECENTLY REPLACED 6 FOOT CROSSARMS
61	FAIR	FAIR	FAIR				YES			TIGHTEN BUGS		RISER CONDUIT NEEDS REPAIR & GUYING
62	FAIR	FAIR							STRAIGHT RISER	CK CONN.		REPAIR GROUND WIRE MOLDING
63	REPLACE	REPLACE	REPLACE		CK 3-50KVA				STRAIGHT RISER			IMMEDIATE ATTENTION
64	FAIR	FAIR	FAIR					FAIR	STRAIGHT			6 FOOT CROSSARMS
65	FAIR	FAIR	FAIR						STRAIGHT W/3 PHASE	TIGHTEN CONN.		REPAIR BROKEN INSULATOR
65 A	FAIR	SWITCH	FAIR						90 DEG SWITCH		CK. SWITCH	JUMPERS BYPASSING AIR SWITCH & REPAIR LINKAGE
66	FAIR	FAIR							STRAIGHT			
67	FAIR	FAIR	FAIR						90 DEG CORNER	CK. CONN.		
68	FAIR	FAIR	FAIR						STRAIGHT RISER	CK. CONN.		
69	FAIR	POOR	FAIR				YES		DEADEND RISER	TIGHTEN CONN.		
70	FAIR	SWITCH	FAIR				YES		SWITCH W/3PHASE T/	TIGHTEN CONN.	CLEAN & SERVICE SWITCH	
71	FAIR	FAIR			CK 3-15KVA		YES		STRAIGHT	TIGHTEN BUGS/CONNECTIONS		
72	FAIR	FAIR	FAIR		CK 3-25KVA		YES		20 DEG ANGLE	CK. CONN.		REMOVE OLD POTHEAD
73	FAIR	FAIR	FAIR				YES		CORNER	CK. CONN.		
74	FAIR	FAIR	FAIR				YES		STRAIGHT W/3PHASE	TIGHTEN CONN.		

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Amend. 0002-73



## SECTION J: ATTACHMENT H

WATT ELECTRIC  
4 LINDA LANE  
SOUTHAMPTON, NJ  
08088

POLES REQUIRING IMMEDIATE ATTENTION

WORKSHEET: POLE INSPECTION RE.  
JOB: FT. HAMILTON-MAINT.  
FILE: A:\JOHNSON CONTROLS\POLECOND  
DATE: 11/15/96  
PAGE: (3)

POLE	POLE CONDITION	TOP ARMS CONDITION	BOTTOM ARMS CONDITION	CUT-OUTS	TRANSFORMER CONDITION	ARRESTORS	TRIMMING	GUY	POLE TYPE	SERVICE REQUIRED	AIR SWITCH SERVICE	ADDITIONAL NOTES
74 A	FAIR	FAIR	FAIR				YES	FAIR	90 DEG CORNER STRAIGHT	TIGHTEN CONN.		
74 B	FAIR	FAIR	FAIR						STRAIGHT			
75	FAIR	FAIR	FAIR		CK 3-100KVA				DEADEND RISER	TIGHTEN CONN.		
75B	FAIR	FAIR	FAIR						STRAIGHT			
76	FAIR	FAIR	FAIR				YES		STRAIGHT			
77	FAIR	FAIR	FAIR				YES		20 DEG. ANGLE	TIGHTEN CONN.		
78	FAIR	FAIR	FAIR						STRAIGHT RISER			
79	FAIR	FAIR	FAIR						STRAIGHT			
80	FAIR	FAIR	FAIR						STRAIGHT	TIGHTEN CONN.		CHANGE SOLID BLADE TO FUSED
81	FAIR	FAIR	FAIR	REPLACE SOLID					STRAIGHT	TIGHTEN CONN.		
82	FAIR	FAIR	FAIR						STRAIGHT	TIGHTEN CONN.		
83	FAIR	FAIR	FAIR						STRAIGHT	TIGHTEN CONN.		
84	FAIR	FAIR	FAIR						90 DEG CORNER	TIGHTEN CONN.		
85	FAIR	FAIR	FAIR						STRAIGHT			
86	FAIR	FAIR	FAIR						90 DEG CORNER RISE	TIGHTEN CONN.		NO TERMS
87	FAIR	FAIR	FAIR						STRAIGHT-PRIMARY RISER			
88	FAIR	FAIR	FAIR		CK. 3-50KVA				STRAIGHT	TIGHTEN CONN.		
89	FAIR	FAIR	FAIR						90 DEG-CORNER	TIGHTEN CONN.		
90	FAIR	FAIR	FAIR						STRAIGHT			
91	FAIR	FAIR	FAIR						DEADEND RISER-PRIMARY			
92	FAIR	FAIR	FAIR			REPLACE 6-3KV			DEADEND RISER			OLD ARRESTORS
93	FAIR	FAIR	FAIR						STRAIGHT			
94	FAIR	FAIR	FAIR				YES	REPLACE GUARDS	CORNER	TIGHTEN CONN.		
95	FAIR	FAIR	FAIR				YES	REPLACE GUARDS	CORNER	TIGHTEN CONN.		
96	FAIR	FAIR	FAIR				YES		STRAIGHT			
97	FAIR	FAIR	FAIR				YES		STRAIGHT			
98	FAIR	FAIR	FAIR				YES		STRAIGHT			
99	FAIR	FAIR	FAIR				YES		STRAIGHT			
100	FAIR	FAIR	FAIR						STRAIGHT W/3 PHASE			
101 A	NEW	NEW	NEW			CK ARRESTORS			STRAIGHT			WRONG SIZE ARRESTORS
101 B	NEW	NEW	NEW						STRAIGHT			NO STRESS CONES
103	FAIR	FAIR	FAIR						CORNER			
104	FAIR	FAIR	FAIR						DEAD-END RISER			
110	FAIR	FAIR	FAIR						STRAIGHT			
110A	GOOD	GOOD										

Amend. 0002-74

DACA51-99-R-0006 Amend. 0002

**REPORT ON THE  
FORT HAMILTON  
ELECTRICAL SUBSTATION  
FROM OCT 1<sup>ST</sup> 97  
TILL  
SEPT 30<sup>TH</sup> 98**



POWER SYSTEMS, INC.



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July 10, 1998

Johnson Controls World Services, Inc.  
NYAC & Fort Hamilton  
Building 301 - 2<sup>nd</sup> Floor  
Brooklyn, NY 11252-6000

Attn: Robert Downes

**Subject: Annual Maintenance of the 26KV and 5KV Main Substation  
(Relays and Vacuum Breaker). M&L Job. No. 98-4792.**

Dear Mr. Downes:

Enclosed please find the test report on relays and vacuum breakers maintained and tested at your facility.

We are very pleased to report finding your equipment well maintained and in excellent condition. However, we would like to bring to your attention two potential safety hazards.

As we recommended last year, the 5KV Tie Breaker 52-BT1 Unit No. 9A (Page 20) has a cracked C-Phase operating bushing on the movable contacts, therefore, should be replaced as soon as possible.

Also as we recommended last year, the support railing for the same Tie Breaker 52-BT1 Unit No. 9A are defective. The left one will not lock into lock-out position to support the breaker when rolling it out of the cubicle, and the right rail wraps and bend to the outside under the right of the breaker on it. We, therefore, recommend repairing the same as soon as possible before it fails.

We appreciate this opportunity to serve your organization. Should you have any questions or if we can be of any further assistance, please feel free to contact me.

Very truly yours,

  
Earl Hester  
Field Engineer

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24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



icensed Electrical Contractor #6693C

### H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 98-4792  
MANUFACTURER: CONTROLLED POWER CORP. VOLTAGE CLASS: 38 KV  
MFG. S/N: 51607-4326-2 TYPE: SSF-A-PB AMPS: 1200  
DESIGNATION: LINE NO. 1 UNIT NO. 21 LOCATION: 26 KV SUB.

### MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: 100000	A-PHASE TO GROUND: 30,000	A-A PHASE (OPEN): 100000
B-C PHASE: 100000	B-PHASE TO GROUND: 20000	B-B PHASE (OPEN): 100000
C-A PHASE: 100000	C-PHASE TO GROUND: 30000	C-C PHASE (OPEN): 100000

### CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 37 PHASE-B: 35 PHASE-C: 39

### TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN: N/A TIME TO CLOSE: N/A

### ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 3	COUNTER READING AF 217
	AL 220

### INSPECTION CHECK LIST CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

REMARKS: VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

TESTED BY: J. SPINNEY

DATE: 7/8/98

PAGE NO.: 1

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NJ Licensed Electrical Contractor #6693C

H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 98-4792  
MANUFACTURER: CONTROLLED POWER CORP. VOLTAGE CLASS: 38 KV  
MFG. S/N: 51564-4326-4 TYPE: SSF-A-PB AMPS: 1200  
DESIGNATION: LINE NO. 1 UNIT NO. 24 LOCATION: MAIN 26 KV SUB.

MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: 100000 A-PHASE TO GROUND: INF. A-A PHASE (OPEN): INF.  
B-C PHASE: 30000 B-PHASE TO GROUND: 20000 B-B PHASE (OPEN): INF.  
C-A PHASE: 100000 C-PHASE TO GROUND: 20000 C-C PHASE (OPEN): INF.

CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 33 PHASE-B: 30 PHASE-C: 33

TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN: TIME TO CLOSE:

ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 3	COUNTER READING AF 189
	AL 192

INSPECTION CHECK LIST  
CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

REMARKS: VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

TESTED BY: J. SPINNEY

DATE: 7/8/98

PAGE NO.: 2

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24-Hour Emergency Hotline  
(732) 679-1800



Licensed Electrical Contractor #6693C

### H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 98-4792  
MANUFACTURER: CONTROLLED POWER CORP. VOLTAGE CLASS: 38 KV  
MFG. S/N: 51527-4326-3 TYPE: SSF-A-PB AMPS: 1200  
DESIGNATION: LINE NO. 3 UNIT NO. 27 LOCATION: MAIN 26 KV SUB.

=====

#### MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

-----

A-B PHASE: INF.	A-PHASE TO GROUND: INF.	A-A PHASE (OPEN): INF.
B-C PHASE: INF.	B-PHASE TO GROUND: INF.	B-B PHASE (OPEN): INF.
C-A PHASE: INF.	C-PHASE TO GROUND: INF.	C-C PHASE (OPEN): INF.

#### CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 39	PHASE-B: 40	PHASE-C: 43
-------------	-------------	-------------

#### TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN:	TIME TO CLOSE:
---------------	----------------

#### ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 3	COUNTER READING AF 237
	AL 240

#### INSPECTION CHECK LIST CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

=====

REMARKS: VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

TESTED BY: J. SPINNEY DATE: 7/8/98

PAGE NO.: 3

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24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

### H.V. BREAKER TEST REPORT

**CUSTOMER:** JOHNSON CONTROLS/FT. HAMILTON, NY **JOB NO:** 98-4792  
**MANUFACTURER:** CONTROLLED POWER CORP. **VOLTAGE CLASS:** 38 KV  
**MFG. S/N:** 51557-4326-1 **TYPE:** SSF-A-PB **AMPS:** 1200  
**DESIGNATION:** LINE NO. 4 UNIT NO. 30 **LOCATION:** MAIN 26 KV SUB.

### MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: 50000	A-PHASE TO GROUND: 60000	A-A PHASE (OPEN): 60000
B-C PHASE: 50000	B-PHASE TO GROUND: 7000	B-B PHASE (OPEN): 70000
C-A PHASE: 70000	C-PHASE TO GROUND: 50000	C-C PHASE (OPEN): 85000

### CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 43                      PHASE-B: 38                      PHASE-C: 43

### TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN:

TIME TO CLOSE:

### ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL :
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 6	COUNTER READING AF 274
	AL 300

### INSPECTION CHECK LIST CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

**REMARKS:** VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

TESTED BY: J. SPINNEY

DATE: 7/8/98

PAGE NO.: 4

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Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

FEEDER NAME: LINE #1, FDR. BKR. 52-PS1

TYPE: CO-9 (INST. O/C)  
STYLE: 264C901A07 (A,B,C); 03 (N)  
TAP RANGE: 1-12A (A,B,C)  
0.5-2.5 (A,B,C)  
INST. RANGE: 6-144A (A,B,C)  
2-48A (N)

JOB NO.: 98-4792

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	3	6.5	17	OK	2.97	9	3.87	17	0.14	A
AL	3	6.5	17	OK	3.0	9	3.87	17	0.14	A
AL	-	-	-	-	-	18	1.33	17	-	A
AF	3	6.5	16.5	OK	2.98	9	3.82	16.5	0.14	B
AL	3	6.5	16.5	OK	3.0	9	3.82	16.5	0.14	B
AL	-	-	-	-	-	18	1.33	16.5	-	B
AF	3	6.5	18	OK	3.0	9	3.84	18	0.15	C
AL	3	6.5	18	OK	3.0	9	3.84	18	0.15	C
AL	-	-	-	-	-	18	1.35	18	-	C
AF	0.5	2	MAX	OK	0.49	1.5	1.06	-	0.15	N
AL	0.5	2	MAX	OK	0.5	1.5	1.06	-	0.15	N
AL	-	-	-	-	0.5	3.0	0.45	-	-	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED ON THE NEUTRAL RELAY ONLY. ALL  
RELAYS CLEANED AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS  
AND ARE ALL IN GOOD OPERATING CONDITION.

TESTED BY: S. MAIDA

DATE: 6/25/98

PAGE NO.: 5

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## SECTION J : ATTACHMENT H

24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

FEEDER NAME: LINE #3, FDR. BKR. 52-PS3

TYPE: CO-9 (INST. O/C)  
STYLE: 264C901A07 (A,B,C); 03 (N)  
TAP RANGE: 1-12A (A,B,C)  
0.5-2.5 (A,B,C)  
INST. RANGE: 6-144A (A,B,C)  
2-48A (N)

JOB NO.: 98-4792

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	3	6.5	16	OK	3.03	9	3.93	16	0.166	A
AL	3	6.5	16	OK	3.0	9	3.93	16	0.16	A
AL	-	-	-	-	-	18	1.39	16	-	A
AF	3	6.5	18	OK	2.99	9	3.97	18	0.163	B
AL	3	6.5	18	OK	3.0	9	3.97	18	0.16	B
AL	-	-	-	-	-	18	1.37	18	-	B
AF	3	6.5	18	OK	3.0	9	3.96	18	0.15	C
AL	3	6.5	18	OK	3.0	9	3.96	18	0.15	C
AL	-	-	-	-	-	18	1.36	18	-	C
AF	0.5	2	MAX	OK	0.48	1.5	1.18	-	0.16	N
AL	0.5	2	MAX	OK	0.5	1.5	1.18	-	0.16	N
AL	-	-	-	-	-	3.0	0.44	-	-	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED ON THE NEUTRAL RELAY ONLY. ALL RELAYS CLEANED AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND ARE ALL IN GOOD OPERATING CONDITION.

TESTED BY: JEFF SPINNEY

DATE: 7/6/98

PAGE NO.: 6

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Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

FEEDER NAME: LINE #3, FDR. BKR. 52-PS3

TYPE: CO-9 (INST. O/C  
STYLE: 264C901A07 (A,B,C); 03 (N)TAP RANGE: 1-12A (A,B,C)  
0.5-2.5 (A,B,C)

JOB NO.: 98-4792

INST. RANGE: 6-144A (A,B,C)  
2-48A (N)

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE		
	-----											
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME				P.U.	SEAL-IN
	-----											
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.			
=====												
AF	3	6.5	16.5	OK	2.95	9	3.96	16.5	0.16	A		
AL	3	6.5	16.5	OK	3.0	9	3.96	16.5	0.16	A		
AL	-	-	-	-	-	18	1.37	16.5	-	A		
AF	3	6.5	18	OK	2.99	9	3.97	18	0.16	B		
AL	3	6.5	19	OK	3.0	9	3.90	19	0.15	B		
AL	-	-	-	-	-	18	1.36	19	-	B		
AF	3	6.5	19	OK	3.0	9	3.99	19	0.16	C		
AL	3	6.5	19	OK	3.0	9	3.99	19	0.16	C		
AL	-	-	-	-	-	18	1.38	-	-	C		
AF	0.5	2	MAX	OK	0.45	1.5	1.13	-	0.15	N		
AL	0.5	2	MAX	OK	0.5	1.5	1.13	-	0.15	N		
AL	-	-	-	-	-	3.0	0.42	-	-	N		

REMARKS: INSTANTANEOUS TRIP IS DISABLED ON THE NEUTRAL RELAY ONLY. ALL  
RELAYS CLEANED AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS  
AND ARE ALL IN GOOD OPERATING CONDITION.

TESTED BY: JEFF SPINNEY

DATE: 7/6/98

PAGE NO.: 7

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## SECTION J: ATTACHMENT H

24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.

MFR.: WESTINGHOUSE

FEEDER NAME: LINE #3, FDR. BKR. 52-PS4

TYPE: CO-9 (INST. O/C  
STYLE: 264C901A07 (A,B,C); 03 (N)  
TAP RANGE: 1-12A (A,B,C)  
0.5-2.5 (A,B,C)  
INST. RANGE: 6-144A (A,B,C)  
2-48A (N)

JOB NO.: 98-4792

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	3	6.5	15	OK	2.97	9	3.97	15	0.15	A
AL	3	6.5	15	OK	3.0	9	3.97	15	0.15	A
AL	-	-	-	-	-	18	1.41	15	0.15	A
AF	3	6.5	17.5	OK	2.98	9	3.95	17.5	0.16	B
AL	3	6.5	17.5	OK	9	9	3.95	17.5	0.16	B
AL	-	-	-	-	-	18	1.34	17.5	0.16	B
AF	3	6.5	19	OK	3.0	9	3.93	19	0.16	C
AL	3	6.5	19	OK	3.0	9	3.93	19	0.16	C
AL	-	-	-	-	-	18	1.35	19	0.16	C
AF	0.5	2	MAX	OK	0.46	1.5	1.09	-	0.15	N
AL	0.5	2	MAX	OK	0.5	1.5	1.09	-	0.15	N
AL	-	-	-	-	-	3.0	0.42	-	0.15	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED ON THE NEUTRAL RELAY ONLY. ALL  
RELAYS CLEANED AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS  
AND ARE ALL IN GOOD OPERATING CONDITION.

TESTED BY: JEFF SPINNEY

DATE: 7/6/98

PAGE NO.: 8

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Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB.  
FEEDER NAME: LINE #2, FDR. BKR. 52-PS2  
JOB NO.: 98-4792

MFR.: WESTINGHOUSE

TYPE: SVT/OVERVOLTAGE GROUND  
STYLE: 606B031R10

TAP RANGE: 140-300 (LEFT)  
55-125 (RIGHT)

INST. RANGE: N/A  
125V

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	200	-	2.1	OK	201	-	2.091	2.0	OK	
AF	-	100	2.1	OK	103	-	-	2.0	OK	
AL	200	-	2.1	OK	200	-	2.0	2.0	OK	
AL	-	100	2.1	OK	100	-	-	2.0	OK	

REMARKS:

TESTED BY: E. HESTER

DATE: 7/6/98

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NJ Licensed Electrical Contractor #6693C

RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON MFR.: WESTINGHOUSE  
BROOKLYN, NY  
SUB.: MAIN 27KV SUB. TYPE: SVT/OVERVOLTAGE GROUND  
STYLE: 606B031R10  
FEEDER NAME: LINE #1, FDR. BKR. 52-PS1 TAP RANGE: 140-300 (LEFT)  
55-125 (RIGHT)  
JOB NO.: 98-4792 INST. RANGE: N/A  
125V

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	200	-	2.15	OK	202	-	2.010	2.0	OK	
AF	-	100	2.15	OK	110	-	-	2.0	OK	
AL	200	-	2.15	OK	200	-	2.0	2.0	OK	
AL	-	100	2.15	OK	100	-	-	2.0	OK	

REMARKS:

TESTED BY: E. HESTER DATE: 7/6/98  
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Licensed Electrical Contractor #6693C

RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY

SUB.: MAIN 27KV SUB.

FEEDER NAME: LINE #3, FDR. BKR. 52-PS3

JOB NO.: 98-4792

MFR.: WESTINGHOUSE

TYPE: SVT/OVERVOLTAGE GROUND  
STYLE: 606B031R10

TAP RANGE: 140-300 (LEFT)  
55-125 (RIGHT)

INST. RANGE: N/A  
125V

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	200	-	2.1	OK	204	-	2.021	2.0	OK	
AF	-	100	2.1	OK	120	-	-	2.0	OK	
AL	200	-	2.1	OK	200	-	2.0	2.0	OK	
AL	-	100	2.1	OK	100	-	-	2.0	OK	

REMARKS:

TESTED BY: E. HESTER

DATE: 7/6/98

PAGE NO.: 11

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## SECTION J: ATTACHMENT H

24-Hour Emergency Hotline  
(732) 679-1800



POWER SYSTEMS, INC.  
Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON

MFR.: WESTINGHOUSE

BROOKLYN, NY

SUB.: MAIN 27KV SUB.

TYPE: SVT/OVERVOLTAGE GROUND

STYLE: 606B031R10

FEEDER NAME: LINE #4, FDR. BKR. 52-PS4

TAP RANGE: 140-300 (LEFT)

55-125 (RIGHT)

JOB NO.: 98-4792

INST. RANGE: N/A

125V

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	200	-	2.1	OK	203	-	2.036	2.0	OK	
AF	-	100	2.1	OK	106	-	-	2.0	OK	
AL	200	-	2.1	OK	200	-	2.0	2.0	OK	
AL	-	100	2.1	OK	100	-	-	2.0	OK	

REMARKS:

TESTED BY: E. HESTER  
DACA51-99-R-0006

DATE: 7/6/98  
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24-Hour Emergency Hotline  
(732) 679-1800



Licensed Electrical Contractor #6693C

### DIFFERENTIAL RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/NYAC/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27 KV SUB.

MFR.: WESTINGHOUSE

TYPE: H4 (TRANSFORMER DIFF.)

STYLE: 1962553-B

TAP RANGE: 2.9-8.7

FEEDER NAME: LINE #1; FDR. BKR. 52-PS1

JOB NO.: 98-4792

INST. RANGE: 10X TAP

TEST	TAP SETTINGS		SLOPE	INST.	P.U.	THRU FAULT	SLOPE	TARGET	PHASE		
	WDG #1	WDG #2	%	P.U.	AMPS	AMPS	REST. I <sub>o</sub>	IR	P.U.		
AF	3.2	8.7	WDG. #1 35	32	1.212		0.81	8.5	12.6	0.196	A
AL	3.2	8.7	WDG. #2 35	84	3.04		2.15	8.5	12.6	0.199	A
AF	3.2	8.7	WDG. #1 35	32	1.183		0.89	8.5	12.7	0.196	B
AL	3.2	8.7	WDG. #2 35	83	2.99		2.18	8.5	12.7	0.199	B
AF	3.2	8.7	WDG. #1 35	32	1.196		0.89	8.5	12.7	0.202	C
AL	3.2	8.7	WDG. #2 35	84	3.01		2.2	8.5	12.7	0.2	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 6/25/98

PAGE NO.: 13

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## SECTION J: ATTACHMENT H

24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

## DIFFERENTIAL RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/NYAC/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27 KV SUB.

MFR.: WESTINGHOUSE

TYPE: H4 (TRANSFORMER DIFF.)  
STYLE: 1962553-B

FEEDER NAME: LINE #2; FDR. BKR. 52-PS2

TAP RANGE: 2.9-8.7

JOB NO.: 98-4792

INST. RANGE: 10X TAP

TEST	TAP SETTINGS		SLOPE	INST.	P.U.	THRU FAULT	SLOPE	TARGET	PHASE		
	WDG #1	WDG #2	%	P.U.	AMPS	AMPS	REST. I <sub>0</sub>	IR	P.U.		
AF	3.2	8.7	WDG. #1 35	32	1.22		.88	7.6	12.5	0.198	A
AL	3.2	8.7	WDG. #2 35	84	3.266		2.4	7.6	12.5	0.19	A
AF	3.2	8.7	WDG. #1 35	32	1.149		.858	7.9	13.0	0.213	B
AL	3.2	8.7	WDG. #2 35	83	3.17		2.18	7.9	13.0	0.2	B
AF	3.2	8.7	WDG. #1 35	32	1.197		.861	8.0	13.0	0.19	C
AL	3.2	8.7	WDG. #2 35	84	3.25		2.5	8.0	13.0	0.2	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER  
DACA51-99-R-0006

DATE: 6/25/98  
Amend. 0002-90

PAGE NO.: 14



Licensed Electrical Contractor #6693C

## DIFFERENTIAL RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/NYAC/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 27 KV SUB.

MFR.: WESTINGHOUSE

TYPE: H4 (TRANSFORMER DIFF.)  
STYLE: 1962553-B

FEEDER NAME: LINE #2; FDR. BKR. 52-PS2

TAP RANGE: 2.9-8.7

JOB NO.: 98-4792

INST. RANGE: 10X TAP

TEST	TAP SETTINGS		SLOPE	INST.	P.U.	THRU FAULT	SLOPE	TARGET	PHASE
	WDG #1	WDG #2	%	P.U.	AMPS	AMPS	REST. I <sub>o</sub>	IR	P.U.
AF	3.2	8.7	WDG. #1 35	34	3.09		2.93 7.6	12.5	0.2 A
AL	3.2	8.7	WDG. #2 35	85	3.12		2.43 7.6	12.5	0.2 A
AF	3.2	8.7	WDG. #1 35	33	3.185		2.08 7.9	13.0	0.19 B
AL	3.2	8.7	WDG. #2 35	84	3.12		2.93 7.9	13.0	0.19 B
AF	3.2	8.7	WDG. #1 35	32	3.18		2.907 8.0	13.0	0.19 C
AL	3.2	8.7	WDG. #2 35	84	3.24		2.23 8.0	13.0	0.19 C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 7/6/98

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## SECTION J: ATTACHMENT H

24-Hour Emergency Hotline  
(732) 679-1800



NJ Licensed Electrical Contractor #6693C

## DIFFERENTIAL RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/NYAC/FT. HAMILTON

MFR.: WESTINGHOUSE

BROOKLYN, NY

SUB.: MAIN 27 KV SUB.

TYPE: H4 (TRANSFORMER DIFF.)

STYLE: 1962553-B

FEEDER NAME: LINE #4; FDR. BKR. 52-PS4

TAP RANGE: 2.9-8.7

JOB NO.: 98-4792

INST. RANGE: 10X TAP

TEST	TAP SETTINGS		SLOPE		INST.	P.U.	THRU FAULT	SLOPE		TARGET	PHASE	
	WDG #1	WDG #2	%		P.U.	AMPS	AMPS	REST.	IO	IR	P.U.	
AF	3.2	8.7	WDG. #1	35	33	3.24		.81	8.5	13.2	0.21	A
AL	3.2	8.7	WDG. #2	35	85	3.23		2.15	7.6	13.2	0.21	A
AF	3.2	8.7	WDG. #1	35	32	3.06		1.04	7.8	12.8	0.19	B
AL	3.2	8.7	WDG. #2	35	84	3.07		2.8	7.8	12.8	0.19	B
AF	3.2	8.7	WDG. #1	35	32	3.194		1.0	7.8	12.7	0.2	C
AL	3.2	8.7	WDG. #2	35	85	3.17		3.0	7.8	12.7	0.2	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: E. HESTER

DATE: 7/6/98

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U Licensed Electrical Contractor #6693C

### H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 98-4792  
MANUFACTURER: WESTINGHOUSE VOLTAGE CLASS: 4.76KV  
MFG. S/N: 4935 TYPE: 50 VCP 350 AMPS: 1200  
DESIGNATION: LINE NO. 1-BUS A-UNIT NO. 1B LOCATION: 5KV SUB.

### MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: 500	A-PHASE TO GROUND: 5000	A-A PHASE (OPEN): 1000
B-C PHASE: 300	B-PHASE TO GROUND: 200	B-B PHASE (OPEN): 500
C-A PHASE: 500	C-PHASE TO GROUND: 200	C-C PHASE (OPEN): 350

### CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 14	PHASE-B: 15	PHASE-C: 14
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### TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN: TIME TO CLOSE:

### ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 9	COUNTER READING AF 99909
	AL 99919

### INSPECTION CHECK LIST CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

REMARKS: VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

TESTED BY: E. HESTER/J. SPINNEY DATE: 7/8/98  
DACA51-99-R-0006 Amend. 0002-93

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24-Hour Emergency Hotline  
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**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



NJ Licensed Electrical Contractor # 6693C

### H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 98-4792  
MANUFACTURER: WESTINGHOUSE VOLTAGE CLASS: 4.76KV  
MFG. S/N: 4933 TYPE: 50 VCP 350 AMPS: 1200  
DESIGNATION: LINE NO. 2-BUS A-UNIT NO. 7B LOCATION: MAIN 5KV SUB.

=====

#### MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

-----

A-B PHASE: 2000	A-PHASE TO GROUND: 2000	A-A PHASE (OPEN): 3000
B-C PHASE: 2500	B-PHASE TO GROUND: 4000	B-B PHASE (OPEN): 4500
C-A PHASE: 5000	C-PHASE TO GROUND: 2000	C-C PHASE (OPEN): 7000

#### CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 14	PHASE-B: 15	PHASE-C: 15
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#### TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN:

TIME TO CLOSE:

#### ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 7	COUNTER READING AF 99947
	AL 99954

#### INSPECTION CHECK LIST CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

=====

REMARKS: VI TEST A-OK, B-OK, C-OK  
VI TEST PERFORMED AT 36 KV

TESTED BY: E. SARCHISIAN DATE: 7/8/98  
DACA51-99-R-0006 Amend. 0002-94

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Licensed Electrical Contractor #6693C

**H.V. BREAKER TEST REPORT**

**CUSTOMER:** JOHNSON CONTROLS/FT. HAMILTON, NY **JOB NO:** 98-4792  
**MANUFACTURER:** WESTINGHOUSE **VOLTAGE CLASS:** 4.76KV  
**MFG. S/N:** 4934 **TYPE:** 50VCP350 **AMPS:** 1200  
**DESIGNATION:** LINE #3 BUS-B UNIT #13B **LOCATION:** MAIN 5KV SUB

=====

**MEGGER TEST (ALL RESULTS IN MEGAOHMS)**

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

-----

A-B PHASE: 100	A-PHASE TO GROUND: 75	A-A PHASE (OPEN): 450
B-C PHASE: 140	B-PHASE TO GROUND: 75	B-B PHASE (OPEN): 350
C-A PHASE: 150	C-PHASE TO GROUND: 100	C-C PHASE (OPEN): 225

**CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)**

PHASE-A: 15	PHASE-B: 14	PHASE-C: 14
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**TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)**

TIME TO OPEN: N/A	TIME TO CLOSE: N/A
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**ADJUSTMENT**

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :	
ARCING CONTACT WIPE :	INTERLOCK SWITCH :	
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:	
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :	
RELEASE LATCH WIPE :	LATCH DEVICE :	
TIMES OF OPERATION :	COUNTER READING	AF 00151
		AL 00159

**INSPECTION CHECK LIST**  
**CONDITION**

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

=====

**REMARKS:**
**TESTED BY:** E. SARCHISIAN**DATE:** 7/9/98**PAGE NO.:** 21

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24-Hour Emergency Hotline  
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NJ Licensed Electrical Contractor #6693C

## H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 98-4792  
MANUFACTURER: WESTINGHOUSE VOLTAGE CLASS: 4.76KV  
MFG. S/N: 4969 TYPE: 50VCP350 AMPS: 1200  
DESIGNATION: LINE #4 BUS-B UNIT #17B LOCATION: MAIN 5KV SUB

## =====

## MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: 20000 A-PHASE TO GROUND: 40000 A-A PHASE (OPEN): 10000  
B-C PHASE: 15000 B-PHASE TO GROUND: 15000 B-B PHASE (OPEN): 25000  
C-A PHASE: 6000 C-PHASE TO GROUND: 4000 C-C PHASE (OPEN): 15000

## CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 15 PHASE-B: 14 PHASE-C: 14

## TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN: N/A TIME TO CLOSE: N/A

## ADJUSTMENT

PRIMARY CONTACT WIPE: OK	MOTOR AND RELAY SWITCH : OK
ARCING CONTACT WIPE : OK	INTERLOCK SWITCH : OK
PRIMARY CONTACT GAP : OK	DRIVING & LATCHING PAWL: OK
TRIP LATCH WIPE : OK	LATCH CHECKING SWITCH : OK
RELEASE LATCH WIPE : OK	LATCH DEVICE : OK
TIMES OF OPERATION : 4	COUNTER READING 99930

INSPECTION CHECK LIST  
CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1,4	4. CLEANED
PRIMARY FINGERS : 1,4	5. REPLACED
CONTACTS : 1,4	6. ADJUSTED
SPRING PRESSURE : 1	

## =====

## REMARKS:

TESTED BY: E. SARCHISIAN DATE: 7/9/98  
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Licensed Electrical Contractor #6693C

## H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 98-4792  
 MANUFACTURER: WESTINGHOUSE VOLTAGE CLASS: 4.76KV  
 MFG. S/N: 4936 TYPE: 50 VCP 350 AMPS: 1200  
 DESIGNATION: TIE BREAKER 52-BT2 UNIT NO. 9B LOCATION: MAIN 5KV SUB.

## =====

## MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: 2000 A-PHASE TO GROUND: 500 A-A PHASE (OPEN): 1000  
 B-C PHASE: 2000 B-PHASE TO GROUND: 1000 B-B PHASE (OPEN): 3000  
 C-A PHASE: 1500 C-PHASE TO GROUND: 1000 C-C PHASE (OPEN): 2000

## CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 15 PHASE-B: 15 PHASE-C: 50

## TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN:

TIME TO CLOSE:

## ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :	
ARCING CONTACT WIPE :	INTERLOCK SWITCH :	
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:	
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :	
RELEASE LATCH WIPE :	LATCH DEVICE :	
TIMES OF OPERATION : 5	COUNTER READING	AF 99820
		AL 98825

INSPECTION CHECK LIST  
CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

REMARKS: VI TEST A-OK, B-OK, C-OK  
 VI TEST PERFORMED AT 36 KV

TESTED BY: E. HESTER/J. SPINNEY DATE: 7/9/98

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24-Hour Emergency Hotline  
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NJ Licensed Electrical Contractor #6693C

### H.V. BREAKER TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON, NY JOB NO: 98-4792  
 MANUFACTURER: WESTINGHOUSE VOLTAGE CLASS: 4.76KV  
 MFG. S/N: 4970 TYPE: 50 VCP 350 AMPS: 1200  
 DESIGNATION: TIE BREAKER 52-BT2 UNIT NO. 9A LOCATION: MAIN 5KV SUB.

#### MEGGER TEST (ALL RESULTS IN MEGAOHMS)

MEGGER USED AR/BIDDLE @ 5,000 VOLTS FOR 1 MINUTE.

A-B PHASE: 50000	A-PHASE TO GROUND: 20000	A-A PHASE (OPEN): 100000
B-C PHASE: 40000	B-PHASE TO GROUND: 20000	B-B PHASE (OPEN): 100000
C-A PHASE: 50000	C-PHASE TO GROUND: 30000	C-C PHASE (OPEN): 100000

#### CONTACT RESISTANCE (ALL RESULTS IN MICRO OHMS)

PHASE-A: 14	PHASE-B: 15	PHASE-C: 15
-------------	-------------	-------------

#### TIME TRAVEL ANALYSIS (ALL RESULTS IN MILLISECONDS)

TIME TO OPEN: TIME TO CLOSE:

#### ADJUSTMENT

PRIMARY CONTACT WIPE:	MOTOR AND RELAY SWITCH :
ARCING CONTACT WIPE :	INTERLOCK SWITCH :
PRIMARY CONTACT GAP :	DRIVING & LATCHING PAWL:
TRIP LATCH WIPE :	LATCH CHECKING SWITCH :
RELEASE LATCH WIPE :	LATCH DEVICE :
TIMES OF OPERATION : 3	COUNTER READING AF 99820
	AL 99823

#### INSPECTION CHECK LIST CONDITION

FRAME : 1	1. OK
MECHANICAL OPERATION: 1	2. REPAIRED
ELECTRICAL OPERATION: 1	3. PAINTED
TRIP MECHANISM : 1	4. CLEANED
PRIMARY FINGERS : 1	5. REPLACED
CONTACTS : 1	6. ADJUSTED
SPRING PRESSURE : 1	

REMARKS: C-PHASE INSULATOR CRACKED. DEFECTIVE CUBICLE RAILS. LEFT RAIL BENT AND WILL NOT LOCK INTO PLACE; RIGHT RAIL BENT.

VI TEST: A-OK, B-OK, C-OK VI TEST AT 36 KV

TESTED BY: E. HESTER/J. SPINNEY DATE: 7/9/98

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## SECTION J: ATTACHMENT H

24-Hour Emergency Hotline  
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**POWER SYSTEMS, INC.**  
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Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CO-9 OVER CURRENT

FEEDER NAME: LINE #1, BUS "A" UNIT 1A

TAP RANGE: 1-12 AMP

JOB NO.: 98-4792

INST. RANGE: 6-144 AMP

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps	Set	Amps	Adjust.	Amps	Amps.	Sec.	Amps.	Amps.	
AF	6	6	MAX	OK	5.83	18	3.60	-	1.9	A
AL	6	6	MAX	OK	6.0	18	3.50	-	1.9	A
AL	6	6	MAX	OK	6.0	36	1.23	-	1.9	A
AF	6	6	MAX	OK	5.83	18	3.59	-	1.9	B
AL	6	6	MAX	OK	6.0	18	3.59	-	1.9	B
AL	6	6	MAX	OK	6.0	36	1.27	-	1.9	B
AF	6	6	MAX	OK	6.02	18	3.49	-	2.0	C
AL	6	6	MAX	OK	6.0	18	3.49	-	2.0	C
AL	6	6	MAX	OK	6.0	36	1.24	-	2.0	C
AF	6	5	MAX	OK	5.97	18	3.04	-	1.8	N
AL	6	5	MAX	OK	6.0	18	3.04	-	1.8	N
AL	6	5	MAX	OK	6.0	36	1.08	-	1.8	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED AND CALIBRATED PER  
MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 6/23/98

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## SECTION J: ATTACHMENT H

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**POWER SYSTEMS, INC.**  
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NJ Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CO-9 OVER CURRENT

FEEDER NAME: LINE #2, BUS "A" UNIT 7A

TAP RANGE: 1-12 AMP

JOB NO.: 98-4792

INST. RANGE: 6-144 AMF

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	TAP	T.D.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Left	Right	Set	Adjust.	Volts	Amps.	Sec.	Amps.	Amps.	
AF	6	6	MAX	OK	5.94	18	3.58	-	1.7	A
AL	6	6	MAX	OK	6.0	18	3.58	-	1.7	A
AL	6	6	MAX	OK	6.0	36	1.27	-	1.7	A
AF	6	6	MAX	OK	5.98	18	3.55	-	1.7	B
AL	6	6	MAX	OK	6.0	18	3.55	-	1.7	B
AL	6	6	MAX	OK	6.0	36	1.27	-	1.7	B
AF	6	6	MAX	OK	5.82	18	3.57	-	1.8	C
AL	6	6	MAX	OK	6.0	18	3.57	-	1.8	C
AL	6	6	MAX	OK	6.0	36	1.25	-	1.8	C
AF	6	5	MAX	OK	6.0	18	2.98	-	1.9	N
AL	6	5	MAX	OK	6.0	18	2.98	-	1.9	N
AL	6	5	MAX	OK	6.0	36	1.09	-	1.9	N

REMARKS: INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED AND CALIBRATED PER  
MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 6/23/98

PAGE NO.: 24

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Licensed Electrical Contractor #6693C

RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON MFR.: WESTINGHOUSE  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB. TYPE: CO-9 (OVERCURRENT)  
STYLE: 264C901A07  
FEEDER NAME: LINE #3 - BUS B - LINE #13A TAP RANGE: 1-12A (A,B,C,N)  
JOB NO.: 98-4792 INST. RANGE: 6-144A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	6	6	MAX	OK	6.0	18	3.61	-	2.0	A
AL	6	6	MAX	OK	6.0	18	3.61	-	2.0	A
AL	6	6	MAX	OK	6.0	36	1.24	-	2.0	A
AF	6	6	MAX	OK	5.98	18	3.63	-	2.1	B
AL	6	6	MAX	OK	6.0	18	3.63	-	2.1	B
AL	6	6	MAX	OK	6.0	36	1.25	-	2.1	B
AF	6	6	MAX	OK	5.97	18	3.51	-	1.9	C
AL	6	6	MAX	OK	6.0	18	3.51	-	1.9	C
AL	6	6	MAX	OK	6.0	36	1.24	-	1.9	C
AF	6	5	MAX	OK	5.97	18	3.13	-	2.2	N
AL	6	5	MAX	OK	6.0	18	3.01	-	2.1	N
AL	6	5	MAX	OK	6.0	36	1.01	-	2.1	N

REMARKS: CAT. # CO-9H1111N. INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED, AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

## SECTION J: ATTACHMENT H

24-Hour Emergency Hotline  
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Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CO-9 (OVERCURRENT)  
STYLE: 264C901A07  
TAP RANGE: 1-12A (A,B,C,N)

FEEDER NAME: LINE #4 - BUS B - LINE #17A

JOB NO.: 98-4792

INST. RANGE: 6-144A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.
AF	6	6	MAX	-	6.0	18	3.53	-	1.7
AL	6	6	MAX	-	6.0	18	3.53	-	1.7
AL	-	-	-	-	-	36	1.24	-	-
AF	6	6	MAX	-	6.0	18	3.44	-	1.9
AL	6	6	MAX	-	6.0	18	3.44	-	1.9
AL	-	-	-	-	-	36	1.23	-	-
AF	6	6	MAX	-	6.0	18	3.42	-	1.6
AL	6	6	MAX	-	6.0	18	3.42	-	1.6
AL	-	-	-	-	-	36	1.25	-	-
AF	6	5	MAX	-	5.95	18	3.05	-	1.7
AL	6	5	MAX	-	6.0	18	3.05	-	1.7
AL	-	-	-	-	-	36	1.07	-	-

REMARKS: CAT. # CO-9H1111N. INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED, AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: S. MAIDA

DATE: 6/23/98

PAGE NO.: 26

DACA51-99-R-0006 Amend. 0002 - 102

## SECTION J: ATTACHMENT H

24-Hour Emergency Hotline  
(732) 679-1800



Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CO-9 (OVERCURRENT)  
STYLE: 264C901A07

FEEDER NAME: LINE #3 - BUS B - LINE #13A

TAP RANGE: 1-12A (A,B,C,N)

JOB NO.: 98-4792

INST. RANGE: 6-144A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	6	6	MAX	-	6.0	18	3.42	-	1.8	A
AL	6	6	MAX	-	6.0	18	3.42	-	1.8	A
AL	-	-	-	-	-	36	1.25	-	-	A
AF	6	6	MAX	-	6.02	18	3.44	-	2.0	B
AL	6	6	MAX	-	6.0	18	3.44	-	2.0	B
AL	-	-	-	-	-	36	1.24	-	-	B
AF	6	6	MAX	-	6.04	18	3.41	-	1.8	C
AL	6	6	MAX	-	6.0	18	3.41	-	1.8	C
AL	-	-	-	-	-	36	1.23	-	-	C
AF	6	5	MAX	-	6.02	18	3.15	-	1.9	N
AL	6	5	MAX	-	6.0	18	3.15	-	1.9	N
AL	-	-	-	-	-	36	1.07	-	-	N

REMARKS: CAT. # CO-9H1111N. INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED, AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 6/23/98

PAGE NO.: 27

DACA51-99-R-0006 Amend. 0002 -103

24-Hour Emergency Hotline  
(732) 679-1800



NJ Licensed Electrical Contractor #6693C

### RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY

MFR.: WESTINGHOUSE

SUB.: MAIN 5KV SUB.

TYPE: CO-9 (BUS DIFFERENTIAL)  
STYLE: 264C901A07

FEEDER NAME: TIE BREAKER 52-BT1 (UNIT #9A)

TAP RANGE: 1-12A (A,B,C)

JOB NO.: 98-4792

INST. RANGE: 6-144A

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	4	3	MAX	OK	3.98	12	1.90	-	0.17	A
AL	4	3	MAX	OK	4.0	12	1.90	-	0.17	A
AL	4	3	MAX	OK	4.0	24	0.69	-	0.17	A
AF	4	3	MAX	OK	4.02	12	1.87	-	0.15	B
AL	4	3	MAX	OK	4.0	12	1.87	-	0.15	B
AL	4	3	MAX	OK	4.0	24	0.69	-	0.15	B
AF	4	3	MAX	OK	3.96	12	1.82	-	0.14	C
AL	4	3	MAX	OK	4.0	12	1.82	-	0.14	C
AL	4	3	MAX	OK	4.0	24	0.68	-	0.14	C
AF	2	4	MAX	OK	2.01	6	2.07	-	0.14	N
AL	2	4	MAX	OK	2.0	12	0.76	-	0.14	N
AL	2	4	MAX	OK	2.0	12	0.76	-	0.14	N

REMARKS: CAT. # CO-9H1111N. INSTANTANEOUS TRIP IS DISABLED. RELAYS CLEANED, AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY

DATE: 6/23/98

PAGE NO.: 28

DACA51-99-R-0006 Amend. 0002 - 104

24-Hour Emergency Hotline  
(732) 679-1800



Licensed Electrical Contractor # 6693C

### RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON MFR.: WESTINGHOUSE  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB. TYPE: CO-9 (INSTANTANEOUS O/C)  
STYLE: 264C901A07  
FEEDER NAME: TIE BREAKER 52-BT2 (UNIT #9B) TAP RANGE: 1-12A (A,B,C,N)  
JOB NO.: 98-4792 INST. RANGE: 6-144A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	4	3	MAX	OK	3.98	12	1.53	-	1.8	A
AL	4	3	MAX	OK	4.0	12	1.53	-	1.8	A
AL	-	-	-	-	4.0	24	0.58	-	-	A
AF	4	3	MAX	OK	3.99	12	1.62	-	1.7	B
AL	4	3	MAX	OK	4.0	12	1.62	-	1.7	B
AL	-	-	-	-	4.0	24	0.61	-	-	B
AF	4	3	MAX	OK	4.0	12	1.48	-	1.7	C
AL	4	3	MAX	OK	4.0	12	1.48	-	1.7	C
AL	-	-	-	-	4.0	24	0.60	-	-	C
AF	2	4	MAX	OK	2.0	6	2.35	-	1.7	N
AL	2	4	MAX	OK	2.0	6	2.35	-	1.7	N
AL	-	-	-	-	2.0	12	0.83	-	-	N

REMARKS: THE INSTANTANEOUS IS DISABLED. ALL RELAYS CLEANED AND CALIBRATED PER MANUFACTURER'S SPECS AND ARE IN GOOD OPERATING CONDITION.

TESTED BY: J. SPINNEY  
DACA51-99-R-0006

DATE: 6/23/98  
Amend. 0002 -105

PAGE NO.: 29



24-Hour Emergency Hotline  
(732) 679-1800



POWER SYSTEMS, INC.  
Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

# RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY

MFR.: WESTINGHOUSE

SUB.: MAIN 5KV SUB.

TYPE: CO-9 (BUS DIFFERENTIAL)

STYLE: 264C901A07

FEEDER NAME: TIE BREAKER 52-BT2 (UNIT #9B)

TAP RANGE: 1-12A (A,B,C)

JOB NO.: 98-4792

INST. RANGE: 6-144A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.
AF	4	3	MAX	OK	3.98	12	1.68	-	0.14
AL	4	3	MAX	OK	4.0	12	1.68	-	0.14
AL	-	-	-	-	4.0	24	0.64	-	-
AF	4	3	MAX	OK	3.98	12	1.67	-	0.15
AL	4	3	MAX	OK	4.0	12	1.67	-	0.15
AL	-	-	-	-	4.0	24	0.65	-	-
AF	4	3	MAX	OK	4.0	12	1.83	-	0.16
AL	4	3	MAX	OK	4.0	12	1.83	-	0.16
AL	-	-	-	-	4.0	24	0.67	-	-

REMARKS: CAT. #CO-9H111N. THE INSTANTANEOUS TRIP IS DISABLED. RELAYS  
CLEANED AND CALIBRATED PER MANUFACTURER'S SPECIFICATIONS AND  
ARE IN GOOD OPERATING CONDITION.

TESTED BY: S. MAIDA

DATE: 6/25/98

PAGE NO.: 30

DACA51-99-R-0006 Amend. 0002 ~ 106

24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



Licensed Electrical Contractor #6693C

### RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON MFR.: WESTINGHOUSE  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB. TYPE: CR-9 DIRECTIONAL O/C  
FEEDER NAME: LINE NO. 1 - BUS "A" - UNIT 1 "A" TAP RANGE: 4-12 AMP  
JOB NO.: 98-4792 INST. RANGE: 20-30 AMP

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	6	2	MAX	OK	6.0	18	0.95	-	2.01	A
AL	6	2	MAX	OK	6.0	18	1.0	-	2.0	A
AL	6	2	MAX	OK	6.0	36	0.35	-	2.0	A
AF	6	2	MAX	OK	5.90	18	1.04	-	1.8	B
AL	6	2	MAX	OK	6.0	18	1.0	-	1.8	B
AL	6	2	MAX	OK	6.0	36	0.39	-	1.8	B
AF	6	2	MAX	OK	6.0	18	1.08	-	1.7	C
AL	6	2	MAX	OK	6.0	18	1.0	-	1.7	C
AL	6	2	MAX	OK	6.0	36	0.39	-	1.7	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATION.

TESTED BY: S. MAIDA

DATE: 6/25/98

PAGE NO.: 31

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## SECTION J: ATTACHMENT H

24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CR-9 DIRECTIONAL O/C

FEEDER NAME: LINE NO. 2 - BUS "A" - UNIT 7 "A"

TAP RANGE: 4-12 AMP

JOB NO.: 98-4792

INST. RANGE: 20-30 AMP

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	6	2	MAX	OK	5.98	18	1.04	-	1.8	A
AL	6	2	MAX	OK	6.0	18	1.0	-	1.8	A
AL	6	2	MAX	OK	6.0	36	0.40	-	1.8	A
AF	6	2	MAX	OK	5.98	18	1.08	-	1.8	B
AL	6	2	MAX	OK	6.0	18	1.0	-	1.8	B
AL	6	2	MAX	OK	6.0	36	0.41	-	1.8	B
AF	6	2	MAX	OK	5.95	18	1.09	-	2.0	C
AL	6	2	MAX	OK	6.0	18	1.0	-	2.0	C
AL	6	2	MAX	OK	6.0	36	0.40	-	2.0	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATION.

TESTED BY: S. MAIDA  
DACA51-99-R-0006

DATE: 6/25/98  
Amend. 0002-108

PAGE NO.: 32

24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



Licensed Electrical Contractor #6693C

### RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON MFR.: WESTINGHOUSE  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB. TYPE: CR-9 DIRECTIONAL O/C  
FEEDER NAME: LINE NO. 3 - BUS "B" - UNIT 13 "A" TAP RANGE: 4-12 AMP  
JOB NO.: 98-4792 INST. RANGE: 20-30 AMP

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	6	2	MAX	OK	5.95	18	0.97	-	2.0	A
AL	6	2	MAX	OK	6.0	18	0.97	-	2.0	A
AL	6	2	MAX	OK	6.0	36	0.37	-	2.0	A
AF	6	2	MAX	OK	5.97	18	1.10	-	1.8	B
AL	6	2	MAX	OK	6.0	18	0.99	-	1.8	B
AL	6	2	MAX	OK	6.0	36	0.380	-	1.8	B
AF	6	2	MAX	OK	5.99	18	1.02	-	1.9	C
AL	6	2	MAX	OK	6.0	18	1.0	-	1.9	C
AL	6	2	MAX	OK	6.0	36	0.40	-	1.9	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATION.

TESTED BY: J. SPINNEY

DATE: 6/25/98

PAGE NO.: 33

DACA51-99-R-0006 Amend. 0002 -109

24-Hour Emergency Hotline  
(732) 679-1800



POWER SYSTEMS, INC.  
Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

### RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS/FT. HAMILTON

MFR.: WESTINGHOUSE

BROOKLYN, NY

SUB.: MAIN 5KV SUB.

TYPE: CR-9 DIRECTIONAL O/C

STYLE: 1875596

FEEDER NAME: LINE NO. 4 - BUS "B" - UNIT 17 "A" TAP RANGE: 4-12 (A,B,C)

JOB NO.: 98-4792

INST. RANGE: 20-80 AMP

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE	
	TAP	T.D.	INST.	ZERO	P.U.	CURRENT	TIME	P.U.	SEAL-IN	
	Amps.	Set.	Amps.	Adjust.	Amps.	Amps.	Sec.	Amps.	Amps.	
AF	6	2	MAX	OK	6.01	18	1.09	-	1.7	A
AL	6	2	MAX	OK	6.0	18	1.0	-	1.7	A
AL	-	-	-	-	-	36	0.43	-	-	A
AF	6	2	MAX	OK	6.01	18	1.10	-	1.7	B
AL	6	2	MAX	OK	6.0	18	1.0	-	1.7	B
AL	-	-	-	-	-	36	0.42	-	1.7	B
AF	6	2	MAX	OK	6.0	18	1.02	-	1.9	C
AL	6	2	MAX	OK	6.0	18	1.0	-	1.9	C
AL	-	-	-	-	-	36	0.38	-	-	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATION.

TESTED BY: J. SPINNEY

DATE: 6/25/98

PAGE NO.: 34

DACA51-99-R-0006

Amend. 0002-110

24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



J Licensed Electrical Contractor #6693C

### RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CW POWER RELAY

FEEDER NAME: LINE NO. 1 - BUS "A" - UNIT 1A

TAP RANGE: 20-120 WATTS

JOB NO.: 98-4792

INST. RANGE: N/A

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	POWER	TIME	P.U.	SEAL-IN
	Watts Set.	Amps.	Adjust.	Amps.	Watts	Sec.	Amps.	Amps.	
AF	20	2	-	OK	5.1	60	1.22	-	1.962 A
AL	20	2	-	OK	20	60	1.22	-	1.9 A
AL	20	2	-	OK	20	120	0.530	-	1.9 A
AF	20	2	-	OK	4.0	60	1.089	-	1.954 B
AL	20	2	-	OK	20	60	1.0	-	1.9 B
AL	20	2	-	OK	20	120	0.593	-	1.9 B
AF	20	2	-	OK	22.5	60	1.127	-	1.93 B
AL	20	2	-	OK	20	60	1.0	-	1.9 B
AL	20	2	-	OK	20	120	0.595	-	1.9 B

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 6/24/98

PAGE NO.: 35

DACA51-99-R-0006 Amend. 0002-III

24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

### RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CW POWER RELAY

FEEDER NAME: LINE NO. 2 - BUS "A" - UNIT 7A

TAP RANGE: 20-120 WATTS

JOB NO.: 98-4792

INST. RANGE: N/A

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	POWER	TIME	P.U.	SEAL-IN	
	Watts Set.	Amps.	Adjust.	Amps.	Watts	Sec.	Amps.	Amps.		
AF	20	2	-	OK	24.4	60	1.072	-	1.864	A
AL	20	2	-	OK	21	60	1.0	-	1.86	A
AL	20	2	-	OK	21	120	0.576	-	1.8	A
AF	20	2	-	OK	23.2	60	1.094	-	1.942	B
AL	20	2	-	OK	20	60	1.0	-	1.9	B
AL	20	2	-	OK	20	120	0.588	-	1.9	B
AF	20	2	-	OK	4.1	60	1.078	-	1.88	C
AL	20	2	-	OK	21	60	1.0	-	1.88	C
AL	20	2	-	OK	21	120	0.575	-	1.8	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 6/24/98

PAGE NO.: 36

DACA51-99-R-0006 Amend. 0002-112

24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



Licensed Electrical Contractor #6693C

### RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY  
SUB.: MAIN 5KV SUB.

MFR.: WESTINGHOUSE

TYPE: CW (DIRECTIONAL POWER)  
STYLE: 289B988A17-A

FEEDER NAME: LINE NO. 3 - BUS "B" - UNIT 13A

TAP RANGE: 20-120 WATTS

JOB NO.: 98-4792

INST. RANGE: N/A  
120V; 5A;

TEST	TEST SETTINGS		TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	POWER	TIME	P.U.	SEAL-IN
	Watts Set.	Amps.	Adjust.	Amps.	Watts	Sec.	Amps.	Amps.	
AF	20	2	-	OK	25.6	60	1.064	-	1.961 A
AL	20	2	-	OK	20	60	1.0	-	1.9 A
AL	-	-	-	OK	-	120	0.562	-	- A
AF	20	2	-	OK	25.5	60	1.039	-	1.991 B
AL	20	2	-	OK	20	60	1.0	-	1.9 B
AL	-	-	-	-	-	120	0.573	-	- B
AF	20	2	-	OK	25.5	60	1.027	-	1.984 C
AL	20	2	-	OK	20	60	1.0	-	1.9 C
AL	-	-	-	-	-	120	0.577	-	- C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 6/24/98

PAGE NO.: 37

DACA51-99-R-0006 Amend. 0002 -113



## SECTION J: ATTACHMENT H

24-Hour Emergency Hotline  
(732) 679-1800



**POWER SYSTEMS, INC.**  
Electrical Testing Specialists



NJ Licensed Electrical Contractor #6693C

## RELAY TEST REPORT

CUSTOMER: JOHNSON CONTROLS, FT. HAMILTON,  
BROOKLYN, NY

MFR.: WESTINGHOUSE

SUB.: MAIN 5KV SUB.

TYPE: CW (DIRECTIONAL POWER)

STYLE: 289B988A17-A

FEEDER NAME: LINE NO. 4 - BUS "B" - UNIT 17A

TAP RANGE: 20-120 WATTS

JOB NO.: 98-4792

INST. RANGE: N/A  
120V; 5A;

TEST	TEST SETTINGS			TIME ELEMENT		TIMING POINT		INST.	TARGET	PHASE
	TAP	T.D.	INST.	ZERO	P.U.	POWER	TIME	P.U.	SEAL-IN	
	Watts Set.	Amps.	Adjust.	Amps.	Watts	Sec.	Amps.	Amps.		
AF	20	2	-	OK	24.8	60	1.013	-	1.978	A
AL	20	2	-	OK	20	60	1.0	-	1.9	A
AL	-	-	-	-	-	120	0.588	-	-	A
AF	20	2	-	OK	23.9	60	1.014	-	1.65	B
AL	20	2	-	OK	20	60	1.0	-	1.6	B
AL	-	-	-	-	-	120	0.591	-	-	B
AF	20	2	-	OK	24.3	60	1.011	-	1.892	C
AL	20	2	-	OK	20	60	1.0	-	1.8	C
AL	-	-	-	-	-	120	0.594	-	-	C

REMARKS: CLEANED AND TESTED PER MANUFACTURER'S SPECIFICATIONS.

TESTED BY: EARL HESTER

DATE: 6/24/98


PAGE NO.: 38

DACA51-99-R-0006 Amend. 0002-114

**REPORT ON THE  
ELECTRICAL OVERHEAD  
DISTRIBUTION  
SYSTEM  
FROM OCT 1<sup>ST</sup> 97  
TILL  
SEPT 30<sup>TH</sup> 98**


**FORT HAMILTON - PM REPORT  
CONTRACT # FHSP-98-Q-004**

**Prepared by: Crossland Electrical Systems Inc.  
For: Johnson Controls World Services**

1	DATE	6/12/24											
2													
3	POLE #	1											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	PHASE	OH/UG	POLE/ PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1											
11	CROSSARM (SETS)	0											
12	DEADEND PINS	0											
13	PIN INSULATORS	0											
14	CONDUCTORS	2											
15	TAPS	1											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0	Missing										
25	RISERS		Empty										
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)												
34	FLOOD LT.												
35	RECOMMEND.												
36	NOTES:												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**


Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/22/98											
2	Removed by Corp. Engineers												
3	POLE #	2, 3, 4, 5											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	PHASE	OH/UG	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE												
11	CROSS ARM (SETS)												
12	DEAD END PINS												
13	PIN INSULATORS												
14	CONDUCTORS												
15	TAPS												
16	FUSE CUT-OUT												
17	AB SWITCHES												
18	GANG SWITCHES												
19	GUY POLE												
20	HEAD GUY WIRE												
21	GUY WIRE												
22	GUY ANCHOR												
23	GROUND WIRE												
24	GRD. PROTECTION												
25	RISERS												
26	POTHEADS												
27	VAULT												
28	FEEDERS												
29	TRANSFORMERS												
30	LTG. ARRESTORS												
31	CIRCUIT BKRS.												
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)												
34	FLOOD LT.												
35	RECOMMEND.												
36	NOTES:												

*Removed Poles 2, 3, 4 & 5*

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

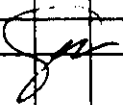
Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE		6/22/98										
2			1 Street Lt.										
3	POLE #	6											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/ wood	40 ft				3	Pole	Oil	Pri		
11	CROSS ARM (SETS)	1	8/ wood	8 ft									
12	DEAD END PINS	4											Mixed type
13	PIN INSULATORS	4											Mixed type
14	CONDUCTORS	4		2/0									
15	TAPS	8		#6									
16	FUSE CUT-OUT	3	Porc.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE												
20	HEAD GUY WIRE	1	#3 - steel										
21	GUY WIRE	1											No insulator
22	GUY ANCHOR	1											
23	GROUND WIRE	1	#6										
24	GRD. PROTECTION		No protection										
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS												
29	TRANSFORMERS	3			50								
30	LTD. ARRESTORS	3	MTD on transformer										
31	CIRCUIT BKRS.												
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)												
34	FLOOD LT.												
35													
36	NOTES:	1 - weather head is missing on Bldg. 109 1 - set secondary to Bldg. 109 see note above 1 - set 2 wire street lt. Conductors #6 Telephone / cable conductors.											
37	RECOMMEND.	Remove guy wire & install insulator											
38	END REPORT												

DACA51-99-R-0006 Amend. 0002

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

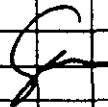
Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE		6/24/99										
2			1 Street Lt.										
3	POLE #	7											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/ wood	40 ft									New creosol
11	CROSS ARM (SETS)	2	wood	8 ft									Bi-directional
12	DEAD END PINS	4	Glass										Mounting bolts need to be cut
13	PIN INSULATORS	9											
14	CONDUCTORS	4		40			OH	3	Pole				
15	TAPS	1		#6				3					
16	FUSE CUT-OUT	3	Chance										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											Need grd. wire for proper grding.
24	GRD. PROTECTION	0											
25	RISERS	1	Empty	1 1/2									
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1		6							Pri		To pole #8 2ea OH separations
29	TRANSFORMERS	0			50								
30	LTG. ARRESTORS	0	Install above FCO's										
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	1 - see 2 wire street lgt. Conductors #6 - No grd. wire Telephone / cable conductors											
37	RECOMMEND.												
38	END REPORT												

Amend. 0002 - 119


# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/27/95											
2		1 Street Lamp											
3	POLE #	8											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/ wood	35'									
11	CROSS ARM (SETS)	1 1/2		8'									
12	DEAD END PINS	4	Glass										
13	PIN INSULATORS	3											
14	CONDUCTORS	3		40			OH	3	Pole				
15	TAPS	1											
16	FUSE CUT-OUT	3	Porcl.									fused	
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	1											Insulator missing
21	GUY WIRE	1											Loose wire & anchor
22	GUY ANCHOR	1											
23	GROUND WIRE	2											
24	GRD. PROTECTION	1											
25	RISERS	1		#2			UG	1					1 ph 3-wire
26	POTHEADS	3									sec		
27	VAULT	0											
28	FEEDERS		3-wire	#2							Pri		
29	TRANSFORMERS	0			50								
30	LTG. ARRESTORS	3											
31	CIRCUIT BKR'S.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	2 wire sec/street light cable / phone's wire hanging on the floor											
37	RECOMMEND.	Installation insulator btw. top of pole & grd. anchor											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

**Prepared by: Crossland Electrical Systems, Inc.**  
**For: Johnson Controls World Services**

1	DATE	6/22/04											
2		1 Street Ltg.											
3	POLE #	9											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'			OH	3	Pole	Oil	Pri		
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole				
15	TAPS	2	Sets										
16	FUSE CUT-OUT	3	Prclm									Fused	Phase "C" braked FCO
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	2											1 no insulator & protection
21	GUY WIRE												Loose guy wire
22	GUY ANCHOR	2											
23	GROUND WIRE	1	#6										No grd. wire to transformer
24	GRD. PROTECTION	0	No protection										
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	2	3 wire										Feed. Bldg. 110-113
29	TRANSFORMERS	3			50	OH			Oil				
30	LTG. ARRESTORS	3											1 phase-B broken/blown
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Telephone / cable conductors. No bulb in street lamp.											
37	RECOMMEND.	Installed Guy cable, properly ground transformer, replace fuse cut out.											
38	END REPORT												



**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE												
2			1 Street lamp										
3	POLE #	10											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'				3					
11	CROSS ARM (SETS)	1/2	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

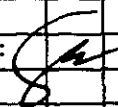
# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	4/2/98											
2		1 Street lfg.											
3	POLE #	11											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'				3					
11	CROSS ARM (SETS)	2	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole			Fused	
15	TAPS	1											
16	FUSE CUT-OUT	3	Porc.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	2											
24	GRD. PROTECTION	1											Only 1 grd. protection
25	RISERS	1	RGS	3 1/2"			UG	3		Dry		Fused	
26	POTHEADS	3					OH		Pole				
27	VAULT												
28	FEEDERS	1					UG	3		Dry		Fused	
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3		2-5KVA 1-9KVA									
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Cable & telephone wires											
37	RECOMMEND.												
38	END REPORT												

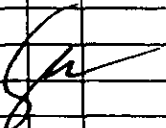
# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/27/99											
2		1 Street Itg.											
3	POLE #	12											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	2											3i-directional
12	DEAD END PINS	12											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri		
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	1							Pole				
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2											
22	GUY ANCHOR	2											
23	GROUND WIRE	1							Pole				Loose guy wire
24	GRD. PROTECTION	1							Pole				
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Tel. & cable wire											
37	RECOMMEND.	Tighten/take up slack on guy wire											
38	END REPORT												

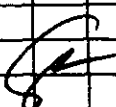
**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/27/11											
2		1 Street lgt.											
3	POLE #	12A											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4 /wood	30'									
11	CROSS ARM (SETS)												
12	DEAD END PINS	0											
13	PIN INSULATORS	2											
14	CONDUCTORS	2											
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											No grd. for street lgt.
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.	Properly grd. street lgt. arm											
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/24/98											
2													
3	POLE #	13											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	1/2	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4		4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Termite damage to pole. Telephone & cable wires attached											
37	RECOMMEND.	Replace pole											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	<i>6/1/00</i>											
2		Street Itg.											
3	POLE #	14											
4	VAULT #												
5													
6	INSPECTOR:	<i>[Signature]</i>											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 Wood	40'									
11	CROSS ARM (SETS)	2	Wood	8'									Bi-directional
12	DEAD END PINS	8											
13	PIN INSULATORS	5											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Unfused	
15	TAPS	0											To Bldg. 214
16	FUSE CUT-OUT	1	Porcl.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	1											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1											Street Itg. box
29	TRANSFORMERS	1			37.5					Oil	Pri	Fused	
30	LTG. ARRESTORS	1											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	14A & 14B secondary poles											
37	RECOMMEND.												
38	END REPORT												

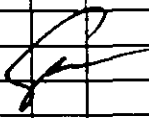
# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/2/99											
2		1 Street lgt. & 1 Parking lot light											
3	POLE #	16											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	2	Wood	8'									Ei-directional
12	DEAD END PINS	13											
13	PIN INSULATORS	16											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Unfused	
15	TAPS	0											To Bldg. 214
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Street light & parking light breakers not grounded											
37	RECOMMEND.	Properly ground											
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

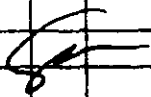
Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/24/98											
2													
3	POLE #	16											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4 /wood	40'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	10	Wood	8'									
14	CONDUCTORS	4		4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Termite damage to pole											
37	RECOMMEND.	Replace pole											
38	END REPORT												



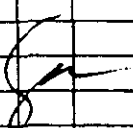
**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	4/27/98											
2													
3	POLE #	17											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4 wood	40'									
11	CROSS ARM (SETS)	2											Bi-directional
12	DEAD END PINS	8	Porcl.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Unfused	
15	TAPS	1									Sec		To Bldg. 214
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	3											
22	GUY ANCHOR	2											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

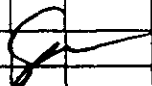
# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

**Prepared by: Crossland Electrical Systems, Inc.**  
**For: Johnson Controls World Services**

1	DATE	6/27/98											
2		1 Street ltg.											
3	POLE #	18											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4 /wood	40'									
11	CROSS ARM (SETS)	2	Wood	8'									BI-directional
12	DEAD END PINS	8	Porcl.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4		4/0			OH	3	Pole		Pri		
15	TAPS	1											
16	FUSE CUT-OUT	1	Porcl.										Transformer
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	2											
24	GRD. PROTECTION	1	Ltg. no grd.										
25	RISERS	2	To street light box										
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1											
29	TRANSFORMERS	1			25				Pole	Oil	Pri	Fused	
30	LTG. ARRESTORS	1											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.	Properly grd. ltg.											
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE												
2													
3	POLE #	19											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/Wood	35'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS												
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		1 Street Ltg.											
3	POLE #	20											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4 /wood	40'									
11	CROSS ARM (SETS)	1 1/2	Wood	1 set-8', 1/2 = 6'									
12	DEAD END PINS	8	Porcl.										
13	PIN INSULATORS												
14	CONDUCTORS	4		40			OH	3	Pole		Pri		
15	TAPS	0											
16	FUSE CUT-OUT	1	Porcl.										
17	AB SWITCHES	1					OH	3	Pole		Pri		For transformer Mech. Adjustment necessary
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	2											
24	GRD. PROTECTION	2											1 grd. protection is no good
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	1			25								
30	LTG. ARRESTORS	1											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Pole mtd. air switch should be mech. adjusted to insure positive connection											
37	RECOMMEND.												
38	END REPORT												

## SECTION J : ATTACHMENT H

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/22/99											
2		1 Street Ltg.											
3	POLE #	21											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	45'									
11	CROSS ARM (SETS)	2 1/2	Wood	2-8' 2-6' 1-4'									Bi-directional
12	DEAD END PINS	11	Porcl.										
13	PIN INSULATORS	6	Porcl.										
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2											
22	GUY ANCHOR	2											
23	GROUND WIRE	1											
24	GRD. PROTECTION	1											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Switch bank											
37	RECOMMEND.												
38	END REPORT												

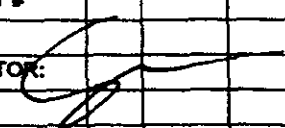
**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/22/90											
2		1 Street Ltg.											
3	POLE #	22											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	3	Wood										
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Fused	
15	TAPS	1											
16	FUSE CUT-OUT	3											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	3											
22	GUY ANCHOR	2											
23	GROUND WIRE	2											
24	GRD. PROTECTION	1											One grd. protection only
25	RISERS	1	To light pole box on pole										
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	3			37.5			3		Oil	Pri	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Remove laundry drop recept. No insulator on 1 guy wire Spray guards yellow on guy wire insulator. Reflective paint.											
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/99											
2		Secondary poles											
3	POLE #	23 & 23A											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE/PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE												
11	CROSS ARM (SETS)												
12	DEAD END PINS												
13	PIN INSULATORS												
14	CONDUCTORS												
15	TAPS												
16	FUSE CUT-OUT												
17	AB SWITCHES												
18	GANG SWITCHES												
19	GUY POLE												
20	HEAD GUY WIRE												
21	GUY WIRE												
22	GUY ANCHOR												
23	GROUND WIRE												
24	GRD. PROTECTION												
25	RISERS												
26	POTHEADS												
27	VAULT												
28	FEEDERS												
29	TRANSFORMERS												
30	LTG. ARRESTORS												
31	CIRCUIT BKRS.												
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)												
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/24/99											
2		1 Street Ltg.											
3	POLE #	24											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	3	Wood										Bi-directional
12	DEAD END PINS	12	Porcl.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Fused	
15	TAPS	0											
16	FUSE CUT-OUT	3	clear										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	3											
22	GUY ANCHOR	3											
23	GROUND WIRE	1											1 anchor loose
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No grd. protection Telephone and cable wire attached Cross arm rods should be cut down											
37	RECOMMEND.	Tighten Guy wire/anchor											
38	END REPORT												



# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	4/24/99											
2		1 Parking lot lgt.											
3	POLE #	24A											
4	VAULT #												
5													
6	INSPECTOR:	[Signature]											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/wood	35'									
11	CROSS ARM (SETS)	1	Wood	8									Hollow at base of pole
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2											
22	GUY ANCHOR	1											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No grd. protection Telephone and cable wire attached Termite damage to pole											
37	RECOMMEND.	Replace damaged pole											
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/22/96											
2		1 Street Ltg.											
3	POLE #	25											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	8											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Fused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	2											
24	GRD. PROTECTION	2											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	1 switch bank existing											
37	RECOMMEND.												
38	END REPORT												


**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/99											
2													
3	POLE #	26											
4	VAULT #												
5													
6	INSPECTOR:	<i>[Signature]</i>											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRL OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Termite damage hollow at core 26A secondary											
37	RECOMMEND.	Replace damaged pole											
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/22/98											
2		1 Street Ltg.											
3	POLE #	27											
4	VAULT #												
5													
6	INSPECTOR:												
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	45'									
11	CROSS ARM (SETS)	2	Wood	8'			OH						
12	DEAD END PINS	8	Parcl.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	3											
22	GUY ANCHOR	3											1 anchor/wire loose
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.	Tighten guy wire											
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/24/98											
2		1 Street Ltg.											
3	POLE #	28											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	45'									
11	CROSS ARM (SETS)	1	Wood	8'			OH						
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		1 Street Ltg.											
3	POLE #	29											
4	VAULT #												
5													
6	INSPECTOR:	DR											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	1	Wood	8'			OH						
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		40			OH	3	Pole		Pri	1-fused	
15	TAPS	1						1			Pri	Fused	
16	FUSE CUT-OUT	1						1			Pri	Fused	
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	1											No insulator
24	GRD. PROTECTION	1											
25	RISERS	1	3"	Pipe									To outside of RM232 vault- to bunker
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1						3			Sec		
29	TRANSFORMERS	1			75		OH	1	Pole		Pri	Fused	
30	LTG. ARRESTORS	1											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No wire isolator on guy wire											
37	RECOMMEND.	Install guy wire insulator.											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/24/98											
2													
3	POLE #	30											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	2	Wood	1=8' 1=6'									
12	DEAD END PINS	4	Porcl.										
13	PIN INSULATORS	6											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri		
15	TAPS												
16	FUSE CUT-OUT	3											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2											1-anchor & wire is loose
22	GUY ANCHOR	2											
23	GROUND WIRE	1											
24	GRD. PROTECTION	1											
25	RISERS	1	4" conduit				UG	3			Pri	Fused	
26	POTHEADS	3											
27	VAULT	1											Rin. 232
28	FEEDERS	1											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.	Tighten Anchor wires											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	4/24/98											
2													
3	POLE #	31											
4	VAULT #												
5													
6	INSPECTOR:	DJ											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	1 1/2	Wood	8'									
12	DEAD END PINS	4	Porcl.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	2											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	?											
24	GRD. PROTECTION	?											
25	RISERS	2											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	2											
29	TRANSFORMERS	1											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Fenced in pole on visual despt. <i>Recently Replace.</i>											
37	RECOMMEND.												
38	END REPORT												



# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2													
3	POLE #	32											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	4	Porcl.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	40			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Pole is leaning.											
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/24/98											
2		1 Street Ltg.											
3	POLE #	34											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	40			OH	3	Pole		Pri	Fused	
15	TAPS	1					OH	3	Pole		Pri	Fused	
16	FUSE CUT-OUT	3					OH	3	Pole		Pri	Fused	
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	2											
24	GRD. PROTECTION	2											
25	RISERS	1	4" conduit										
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1					OH	3	Pole		Pri	Fused	
29	TRANSFORMERS	3			50		OH	3	Pole	Oil	Pri	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/24/98											
2		1 Street Ltg.											
3	POLE #	35											
4	VAULT #												
5													
6	INSPECTOR:	D.B.											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	2	Wood	8'									Bi-directional
12	DEAD END PINS	12	Asst.										
13	PIN INSULATORS	11											
14	CONDUCTORS	4	Bare	40			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2											1-Loose guy wire
22	GUY ANCHOR	1											
23	GROUND WIRE	1											
24	GRD. PROTECTION	1											
25	RISERS	1											To street light box
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	One street box on pole for lighting Hollow pole at base											
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/24/98											
2													
3	POLE #	36											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2 /wood	40'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2											1-Loose guy wire
22	GUY ANCHOR	1											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Cable and telephone wire attached											
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		1 Street Ltg.											
3	POLE #	37											
4	VAULT #												
5													
6	INSPECTOR:	D.B.											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3 Wood	35'									
11	CROSS ARM (SETS)	3	Wood	8'									Fuse on crossarm rotting
12	DEAD END PINS	4	Porcl.										
13	PIN INSULATORS	3											
14	CONDUCTORS	4	Bare	40			OH	3	Pole		Pri	Fused	
15	TAPS	1						3	Pole		Pri	Fused	
16	FUSE CUT-OUT	3	Porc.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	2											
24	GRD. PROTECTION	1											
25	RISERS	2	2 1/2"										
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	3					OH	1	Pole		Pri	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Pole is leaning Cross arm are old rotting and twisted											
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

**Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services**

1	DATE	6/24/98											
2		1 Street Ltg.											
3	POLE #	38											
4	VAULT #												
5													
6	INSPECTOR:	JS											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3 /wood	45'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	40			OH	3	Pole		Pri	Fused	
15	TAPS	1	3"										Conduit on pole
16	FUSE CUT-OUT	3	Chan.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	1	3" cond.										
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1											
29	TRANSFORMERS	3			37.5		OH	1	Pole		Pri	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	1/24/98											
2		1-Street Ltg											
3	POLE #	39											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/wood	40'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	8	porc.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole				Pri Unfused
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	39 A - Secondary pole only											
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		1- Street Ltg.											
3	POLE #	40											
4	VAULT #												
5													
6	INSPECTOR:	DR											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/wood	40'									
11	CROSS ARM (SETS)	1 1/2	wood	8'									
12	DEAD END PINS	6	porcl.										
13	PIN INSULATORS	2											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri Fused		
15	TAPS	0											
16	FUSE CUT-OUT	3											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												



**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		1- Street Ltg.											
3	POLE #	41											
4	VAULT #												
5													
6	INSPECTOR:	D.R.											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/4 wood	45'									
11	CROSS ARM (SETS)	3 1/2	wood	8'									Bi-directional
12	DEAD END PINS	8	Porcel.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bar	4/0			OH	3	Pole		Pri	Fused	
15	TAPS	1											
16	FUSE CUT-OUT	3	Porcel.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	4											2 guy wires loose
22	GUY ANCHOR	3											
23	GROUND WIRE	2											
24	GRD. PROTECTION	2											1 crack grd prote.
25	RISERS	1	2 1/2"	Conduit									
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	3			25		OH		Pole	Oil	Pri	Fused	
30	LTG. ARRESTORS												
31	CIRCUIT BKRS.												
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)		1- Guy wire is cut & hanging on Pole										
34	FLOOD LT.		2- Guy wires are loose										
35			4/A, B, C, D are all secondary Poles										
36	NOTES:												
37	RECOMMEND.	Replace/Repair /Install Guy wire											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2													
3	POLE #	42											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/wood	45'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	8	PORC.										
13	PIN INSULATORS	9											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	1-Fuse	
15	TAPS	0											
16	FUSE CUT-OUT	1	Chavez										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1		unsecured									
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	1					OH	1	Pole		Pri	Fused	
30	LTG. ARRESTORS	1											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	1-GRD. wire unsecured. 42/A,B,C are secondary & Guy poles											
37	RECOMMEND.	Properly service GRD. wire											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		street 619-1											
3	POLE #	43											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	1/2 wood	45'									
11	CROSS ARM (SETS)	2 1/2	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole	OIL	Pri	only 2 of 3 are fused	3 are fused
15	TAPS	2											1 fuse link missing.
16	FUSE CUT-OUT	3	2-chance	1-porc.			OH		Pole		Pri	Fused	1-ch; 1-porc.
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	2											
24	GRD. PROTECTION	2											
25	RISERS	2		2-3" conduits									
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	2											
29	TRANSFORMERS	3			25		OH		Pole oil		Pri	2 are fused, 1 fuse missing	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Phase 4 on Prime side - no phase existing											
37	RECOMMEND.	for TRANSFORMER.											
38	END REPORT	Fuse required.											

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98												
2		1- Street Ltg.												
3	POLE #	44												
4	VAULT #													
5														
6	INSPECTOR:	DB												
7														
8														
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS	
10	POLE	1	3" wood	35'										
11	CROSS ARM (SETS)	1	wood	8'										
12	DEAD END PINS	0												
13	PIN INSULATORS	8												
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused		
15	TAPS	0												
16	FUSE CUT-OUT	0												
17	AB SWITCHES	0												
18	GANG SWITCHES	0												
19	GUY POLE	0												
20	HEAD GUY WIRE	0												
21	GUY WIRE	0												
22	GUY ANCHOR	0												
23	GROUND WIRE	1												
24	GRD. PROTECTION	0												
25	RISERS	0												
26	POTHEADS	0												
27	VAULT	0												
28	FEEDERS	0												
29	TRANSFORMERS	0												
30	LTG. ARRESTORS	0												
31	CIRCUIT BKRS.	0												
32	BUSS BARS	0												
33	TERMINALS	0												
33	HARDWARE (MISC)	0												
34	FLOOD LT.													
35														
36	NOTES:	- Hollow at Pole Bas - No Ground Protector												
37	RECOMMEND.	Replace Pole												
38	END REPORT													

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		1- Street Light											
3	POLE #	45											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/W	35'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	1											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Broken Grd protection on 1- Street Light box existing on Pole											
37	RECOMMEND.	45/ A, B, C - are secondary Poles on ly Replace Grd.											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		1- Street Ltg.											
3	POLE #	46											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/W	35'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4		4/0			OH	3	Pole		Pri	Fused	
15	TAPS	2											
16	FUSE CUT-OUT	3	Pore.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	2											
24	GRD. PROTECTION	2											
25	RISERS	3											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1											
29	TRANSFORMERS	3			50		OH		Pole oil		Pri	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2													
3	POLE #	47											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/W	35'									
11	CROSS ARM (SETS)	1	Wood	6'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			DH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	3											
22	GUY ANCHOR	1											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	1											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/24/95											
2													
3	POLE #	47A											
4	VAULT #												
5													
6	INSPECTOR:	72											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/2	40'									
11	CROSS ARM (SETS)	1/2	wood	8'									
12	DEAD END PINS	8	Porcel										
13	PIN INSULATORS	2											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Fused	
15	TAPS	1					OH		Pole		Pri	Fused	
16	FUSE CUT-OUT	3	Chance										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	1											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Pole is leaning											
37	RECOMMEND.												
38	END REPORT												



**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2													
3	POLE #	48	Secondary only										
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE												
11	CROSS ARM (SETS)												
12	DEAD END PINS												
13	PIN INSULATORS												
14	CONDUCTORS												
15	TAPS												
16	FUSE CUT-OUT												
17	AB SWITCHES												
18	GANG SWITCHES												
19	GUY POLE												
20	HEAD GUY WIRE												
21	GUY WIRE												
22	GUY ANCHOR												
23	GROUND WIRE												
24	GRD. PROTECTION												
25	RISERS												
26	POTHEADS												
27	VAULT												
28	FEEDERS												
29	TRANSFORMERS												
30	LTG. ARRESTORS												
31	CIRCUIT BKRS.												
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)												
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		Street Ltg.											
3	POLE #	49											
4	VAULT #												
5													
6	INSPECTOR:	JK											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/4	35'									
11	CROSS ARM (SETS)	1	wood	4'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OK	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	2											
22	GUY ANCHOR	1											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	1-Guy wire, 1-Head Guy wire are loose											
37	RECOMMEND.	49A - is head Guy pole											
38	END REPORT	Tighten/Make up slack on G-rod wire											

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		Street Ltg.											
3	POLE #	50											
4	VAULT #												
5													
6	INSPECTOR:	LJS											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/4	35'									
11	CROSS ARM (SETS)	3	Wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Fused	
15	TAPS	1											
16	FUSE CUT-OUT	3	Chanel										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	2											
21	GUY WIRE	2											
22	GUY ANCHOR	1											
23	GROUND WIRE	2											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	3			37		OH		Pole	Q.E	Pri	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Pole is leaning.											
37	RECOMMEND.												
38	END REPORT												

# FORT HAMILTON -PM REPORT CONTRACT #FHSP-98-Q-004

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/24/98											
2		1- Street Ltg.											
3	POLE #	61											
4	VAULT #												
5													
6	INSPECTOR:	DK											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	40'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	3	porcel.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/p			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	3											
22	GUY ANCHOR	2											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											- 3 wires on primary going 1 way
32	BUSS BARS	0											- 4 wires on primary going other way
33	TERMINALS	0											- 2 Guy wires are loose
33	HARDWARE (MISC)	0											- no GRD protection + not properly mounted
34	FLOOD LT.												- 1 street light box on pole.
35													
36	NOTES:												
37	RECOMMEND.	Install Proper GRD											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		1- Street ltrg.											
3	POLE #	51A											
4	VAULT #												
5													
6	INSPECTOR:	JD											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/h2	40'									
11	CROSS ARM (SETS)	1	Wood	8'									
12	DEAD END PINS	8	Porcl.										
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Base	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	1											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0	Cut GRD wire on bottom of pole										
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Switch gear on Pole											
37	RECOMMEND.	Replace GRD wire											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		1-Street Light											
3	POLE #	52											
4	VAULT #												
5													
6	INSPECTOR:	D/L											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL / DRY TYPE	PRI. OR SEC	FUSED / UNFUSED	REMARKS / COMMENTS
10	POLE	1	2/4	35'									
11	CROSS ARM (SETS)	1/2	wood	4'									
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Base	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTC. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/95											
2		1-Street Ltg											
3	POLE #	53											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/4	35'									
11	CROSS ARM (SETS)	1/2	wood	4'									
12	DEAD END PINS	0											
13	PIN INSULATORS	9											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/24/98											
2		1- Street Light											
3	POLE #	54											
4	VAULT #												
5													
6	INSPECTOR:	JK											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL / DRY TYPE	PRI / OR SEC	FUSED / UNFUSED	REMARKS / COMMENTS
10	POLE	1	3/W	35'									
11	CROSS ARM (SETS)	1/2	wood	4'									
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Rare	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2											
22	GUY ANCHOR	2											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												



**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2													
3	POLE #	55											
4	VAULT #												
5													
6	INSPECTOR:	DJ											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/w	35'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	8	Porcel										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri Fused		
15	TAPS	0											
16	FUSE CUT-OUT	3	Chavez										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	3											
22	GUY ANCHOR	2											
23	GROUND WIRE	2											
24	GRD. PROTECTION	2											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	3			37		OH		Pole		Pri Fused		
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Pole is leaning Pole has terminal damage 1-Guy wire is loose Cracked Grd Protection											
37	RECOMMEND.	Replace Pole, Replace insulator, tighten Guy wire											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		Street Ltg											
3	POLE #	56											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL / DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/0	35'									
11	CROSS ARM (SETS)	1 1/2	wood	8'									
12	DEAD END PINS	6	steel										Only 3 being used
13	PIN INSULATORS	2											
14	CONDUCTORS	8											3 bare from 57 to 56 3 bare from 56 - 51
15	TAPS	0											
16	FUSE CUT-OUT	3											not used
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		1 Street Ltg.											
3	POLE #	57											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/4" W	35'									
11	CROSS ARM (SETS)	1/2	WOOD										
12	DEAD END PINS	0											
13	PIN INSULATORS	0											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE												
24	GRD. PROTECTION												
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		1 Street Ltg.											
3	POLE #	58											
4	VAULT #												
5													
6	INSPECTOR:	DZ											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4/w	40'									
11	CROSS ARM (SETS)	1/2											
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Rare	4/0			OH	3	Pole			Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2													
3	POLE #	5											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL / DRY TYPE	PRI OR SEC	FUSED / UNFUSED	REMARKS / COMMENTS
10	POLE	1	2/w	45'									
11	CROSS ARM (SETS)	1 1/2	wood	2=8', 1=4'									
12	DEAD END PINS	9	porcel										
13	PIN INSULATORS	7											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	2	sets										
16	FUSE CUT-OUT	0											
17	AB SWITCHES	1											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	2											
24	GRD. PROTECTION	1											No Grd Protection on 1
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2													
3	POLE #	60											
4	VAULT #												
5													
6	INSPECTOR:	J.S.											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL / DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4/42	40'									
11	CROSS ARM (SETS)	1/2	wood	8'									
12	DEAD END PINS	3	porcel.										
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Fused	
15	TAPS	1	set										
16	FUSE CUT-OUT	3	Chenel										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	1											Grd protection lost
25	RISERS	2	1-4" and	1-2"			Both	2 phase					
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	2											
29	TRANSFORMERS	3			75		OH		Pole oil	Pri	Fused		
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.	Install "U" nails & secure wood Grd wire protection											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2													
3	POLE #	61											
4	VAULT #												
5													
6	INSPECTOR:	D/B											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	45'									
11	CROSS ARM (SETS)	1/2	wood	6'									Street Ltg Box
12	DEAD END PINS	0											
13	PIN INSULATORS	0											
14	CONDUCTORS	4	Base	4/0			DH	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	2											
24	GRD. PROTECTION	2											
25	RISERS	1											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1											Sec Unfus
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												1-meter pan & panel box for tennis court lty.
35													1-Street Ltg Box
36	NOTES:	Hollow pole at base											
37	RECOMMEND.	Check & replace pole											
38	END REPORT												

FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/26/98											
2		1-Street Ltg.											
3	POLE #	62											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/w	45'									
11	CROSS ARM (SETS)	2	wood	1 1/2 - 6'			1/2 - 4'						
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri Fused		
15	TAPS	1	set										
16	FUSE CUT-OUT	3	panel										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	10											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											Loose GRD wire & NO protection
25	RISERS	1											
26	POTHEADS	1	set										
27	VAULT	0											
28	FEEDERS	1											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	10											
33	HARDWARE (MISC)	0											Broken 2" Riser on Pole 3 phase
34	FLOOD LT.												Pole is leaning
35													
36	NOTES:												
37	RECOMMEND.	Replace Riser, Tighten GRD wire, Straighten Pole											
38	END REPORT												



**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2													
3	POLE #	13											
4	VAULT #												
5													
6	INSPECTOR:	03											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/2	401									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Base	4/0			OH	3	Pole		Pri	Fused	
15	TAPS	1	set										
16	FUSE CUT-OUT	3	charco										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	2	3" conduits										
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	3			50		OH		Pole	oil	Pri		
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Pole is leaning; Pole is rotted											
37	RECOMMEND.	Rephase Pole											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		1- Street Ltg.											
3	POLE #	64											
4	VAULT #												
5													
6	INSPECTOR:	JVS											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/w	40'									
11	CROSS ARM (SETS)	1/2	wood	6'									
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1		Loose									
22	GUY ANCHOR	1		Loose									
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Loose Guy wire & Guy anchor no GRD protection Cable & Tel line on pole											
37	RECOMMEND.	Tighten Guy wire											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		1- Street Ltg.											
3	POLE #	65											
4	VAULT #												
5													
6	INSPECTOR:												
7		D/S											
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/w	45'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	12	porcel										
13	PIN INSULATORS	10											
14	CONDUCTORS	4	Bar	4/0			OH	3	Pole		Pri	unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	3											
22	GUY ANCHOR	3											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												Paint one guy protector by street yellow do grd protection Tel. + cable wire attached
35													
36	NOTES:												
37	RECOMMEND.	Replace missing wood guard											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		1- Street ltrg											
3	POLE #	65A											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	45'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	8											
13	PIN INSULATORS	7											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole				Pri Unfus
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	1											
18	GANG SWITCHES	1											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2		1- loose									
22	GUY ANCHOR	1											
23	GROUND WIRE	1											
24	GRD. PROTECTION	1											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												1- loose guy wire
35													
36	NOTES:												
37	RECOMMEND.	Tighten Guy wire											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		1- Street Ltg, Parking Lot 5 Ltg 2											
3	POLE #	66											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/4	35'									
11	CROSS ARM (SETS)	1/2	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri Unfus		
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No Grd protection											
37	RECOMMEND.	Install wood Guard											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		1-5 Street Ltg; Parking Lot Ltg-2											
3	POLE #	67											
4	VAULT #												
5													
6	INSPECTOR:	DJB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL / DRY TYPE	PRI. OR SEC	FUSED / UNFUSED	REMARKS / COMMENTS
10	POLE	1	2/w	40'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	8	porcel										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bar	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	2											
20	HEAD GUY WIRE	2											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2													
3	POLE #	68											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/W	40'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Fused	
15	TAPS	1	set										
16	FUSE CUT-OUT	3	chance										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	3											
24	GRD. PROTECTION	1											
25	RISERS	1	2 1/2"										
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1	2 1/2"										
29	TRANSFORMERS	1							Pad		Pri	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	1 Grd wire cut on pole ; 1 Grd protector broken											
37	RECOMMEND.	Replace Grd wire, Install wood Guard											
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/26/98											
2													
3	POLE #	69											
4	VAULT #												
5													
6	INSPECTOR:	133											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	40'									
11	CROSS ARM (SETS)	2	wood	8'									
12	DEAD END PINS	4	porcl.										
13	PIN INSULATORS	3											
14	CONDUCTORS	4	Bare	4/0			04	3	Pole		Pri	Fused	
15	TAPS	1	set										
16	FUSE CUT-OUT	3	porcl.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	1											
24	GRD. PROTECTION	1											
25	RISERS	1	4" conduit to vault 3										
26	POTHEADS	1	set										
27	VAULT	1											
28	FEEDERS	1											
29	TRANSFORMERS												
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	1 street htg box on pole, Vault on Grd level Bldg 409											
37	RECOMMEND.												
38	END REPORT												



# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2													
3	POLE #	70 & 70A thru 70H - secondary poles only											
4	VAULT #												
5													
6	INSPECTOR:	D/S											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE												
11	CROSS ARM (SETS)												
12	DEAD END PINS												
13	PIN INSULATORS												
14	CONDUCTORS												
15	TAPS												
16	FUSE CUT-OUT												
17	AB SWITCHES												
18	GANG SWITCHES												
19	GUY POLE												
20	HEAD GUY WIRE												
21	GUY WIRE												
22	GUY ANCHOR												
23	GROUND WIRE												
24	GRD. PROTECTION												
25	RISERS												
26	POTHEADS												
27	VAULT												
28	FEEDERS												
29	TRANSFORMERS												
30	LTG. ARRESTORS												
31	CIRCUIT BKRS.												
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)												
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	6/26/98											
2		Street Ltg											
3	POLE #	71											
4	VAULT #												
5													
6	INSPECTOR:	DR											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	40'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	3	porcel.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Fused	
15	TAPS	1											
16	FUSE CUT-OUT	3	Chance										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1	loose										
22	GUY ANCHOR	1											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	1	2" conduit										
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	3					OH		Pole	oil	Pri	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	- Loose guy wire - NO GRD PROTECTION - Crossarms are rotten & splitting											
37	RECOMMEND.	Tighten Guy wire, Install wood guard, Replace X-arms											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		1- Street Ltg											
3	POLE #	72											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	40									
11	CROSS ARM (SETS)	2	w	8'									
12	DEAD END PINS	8	porcl.										
13	PIN INSULATORS	10											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri Fuse		
15	TAPS	1	set										
16	FUSE CUT-OUT	3	chance										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	3	2 very loose										
22	GUY ANCHOR	2											
23	GROUND WIRE	3											
24	GRD. PROTECTION	2											
25	RISERS	1	4" conduit										
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.		1 riser to behind Bld #302										
35			2 loose Guy wires										
36	NOTES:												
37	RECOMMEND.	Tighten Guy wires											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		2-street ltg, 1 missing just wires											
3	POLE #	73											
4	VAULT #												
5													
6	INSPECTOR:	DJS											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/W	45'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	8	porcel										
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												No Grd protector Remove wires to street light or install new
35													
36	NOTES:												
37	RECOMMEND.	Install wood Guard											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		1- Street Ltg.											
3	POLE #	74											
4	VAULT #												
5													
6	INSPECTOR:	DJB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/W	45'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	12	porcel										
13	PIN INSULATORS	12											
14	CONDUCTORS	4	Alum	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS												
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											1- Street Light box on pole
34	FLOOD LT.												No- Grd protection
35													Hollow pole
36	NOTES:												
37	RECOMMEND.	Replace pole											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	6/26/98											
2		1- Parking lot Lts.											
3	POLE # 74A												
4	VAULT #												
5													
6	INSPECTOR:	D.B.											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/w	40'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	8											
13	PIN INSULATORS	9											
14	CONDUCTORS	4	Bar	4/0			OK	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	3											
22	GUY ANCHOR	2											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Pole is leaning											
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/23/98											
2		2-Parking lot Ltg.											
3	POLE #	75											
4	VAULT #												
5													
6	INSPECTOR:	DR											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/w	45'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole				
15	TAPS	1					OH	3	Pole			Fused	
16	FUSE CUT-OUT	3	porc.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	2	pipe	3"								Sec Fused	
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS												
29	TRANSFORMERS	3					OH	1	Pole	oil	pr/sec	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No Grd. protection											
37	RECOMMEND.	Install Wood Guard											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/23/98											
2		1- Street Ltg.											
3	POLE #	76											
4	VAULT #												
5													
6	INSPECTOR:	D.S.											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/4	45'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Base	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												



**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/23/98											
2		Street & Walk way Ltg - 2											
3	POLE #	77											
4	VAULT #												
5													
6	INSPECTOR:	DJ											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/4	45'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	8											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	- Pole is leaning - no GRD protection or wire for street & walking way Ltg is - Guy wire near curb should be painted yellow											
37	RECOMMEND.	Install wood Guard, Paint w/reflective paint /yellow											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/23/98											
2		1- PARKING LOT LTg.											
3	POLE #	78											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	40'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	2	1 Guy wire is loose										
22	GUY ANCHOR	1	Guy Anchor is loose										
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	- Loose Guy wire											
37	RECOMMEND.	- Loose Guy Anchor											
38	END REPORT	- Guy wire protection near curb should be painted yellow											
		Tighten & Reflective paint											

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/23/98											
2		1-Parking lot ltg											
3	POLE #	79											
4	VAULT #												
5													
6	INSPECTOR:	DJ											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4" w	40'									
11	CROSS ARM (SETS)	2	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	"											
14	CONDUCTORS	4	Base	4/0			BH		Pole		Pri		
15	TAPS	1	2 1/2"	pipe							Pri	Fused	
16	FUSE CUT-OUT	3	porch										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1	Loose										
22	GUY ANCHOR	1	Loose										
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	1	pipe	2 1/2"			UG		pole		Pri	Fused	
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	- Riser has no weather head - Loose guy wire - Loose guy anchor - No insulator on guy wire - No Gnd protection											
37	RECOMMEND.	Install new weather head, tighten, Install insulator											
38	END REPORT	Install wood Guard.											

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/13/98											
2		1-Parking lot L+B.											
3	POLE #	80											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4/w	40'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	2											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		PRI	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No GRD wire OR protector for parking lot light											
37	RECOMMEND.	Properly GRD.											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/23/98											
2													
3	POLE #	81											
4	VAULT #												
5													
6	INSPECTOR:	DJ											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/10	40'									
11	CROSS ARM (SETS)	1 1/2	wood	8'									
12	DEAD END PINS	8	porcel										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Fused	
15	TAPS	0											
16	FUSE CUT-OUT	3	Chance				OH	3	Pole		Pri	Fused	
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Pole has termite damage											
37	RECOMMEND.	Replace pole											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/23/98											
2													
3	POLE #	82											
4	VAULT #												
5													
6	INSPECTOR:	DD											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4/W	40'									
11	CROSS ARM (SETS)	2	wood	8'									
12	DEAD END PINS	8	porcel.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No Gnd Protection											
37	RECOMMEND.	Need to replace 1/2 - 8' cross arm set termik damage Install wood Guard, Replace X - BRMS											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/23/98											
2													
3	POLE #	83											
4	VAULT #												
5													
6	INSPECTOR:	D/S											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	40'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri Fused		
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	7/23/98											
2		2-Walkway Ltg.											
3	POLE #	83A											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4/6	40'									
11	CROSS ARM (SETS)	1	WOOD	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	BARE	4/0			OH	3	Pole		Pri Unfus		
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2											
22	GUY ANCHOR	1											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.	0											
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												



**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	7/23/98											
2		1- Street Ltg.											
3	POLE #	84											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4/w	40'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	8											
13	PIN INSULATORS	0											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole				Azi Unfus
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Pole is leaning											
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2		1-Street Ltg.											
3	POLE #	86											
4	VAULT #												
5													
6	INSPECTOR:	213											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/2	45'									
11	CROSS ARM (SETS)	1/2	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		PRI	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2		Street Ltg.											
3	POLE #	86											
4	VAULT #												
5													
6	INSPECTOR:	DR.											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/2	45'									
11	CROSS ARM (SETS)	2 1/2	wood	8'									Bi-Directional
12	DEAD END PINS	8	porcl.										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bar	4/0			OH	3	Pole		Pri		
15	TAPS	1					OH	3	Pole		Pri	Fused	
16	FUSE CUT-OUT	3	porcl.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2											
22	GUY ANCHOR	1											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	1	pipe	2 1/2				3			Pri	Fused	
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1	pipe	2 1/2				3			Pri	Fused	H.M. Vault
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	- Pole is leaning - No GRD protector - 2 1/2 Riser on pipe missing straps (2)											
37	RECOMMEND.	Install GRD & new straps											
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE # 87												
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/40	40'									
11	CROSS ARM (SETS)	1/2	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	BARR	4/0			OH	3	Pole		PRI	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE #	88											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/2	40'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	7											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	1	Pipe	3'			OH	3	Pole		Pri	Fused	
16	FUSE CUT-OUT	3	Porel										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	1	Pipe	3					Pole		Pri	Fused	
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1	pipe	3"					Pole		Pri	Fused	
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2		<i>Parking lot Lgt.</i>											
3	POLE #	89											
4	VAULT #												
5													
6	INSPECTOR:	DJ											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/2	40'									
11	CROSS ARM (SETS)	2	wood	8'			OH						<i>Bi-directional</i>
12	DEAD END PINS	8	porcel										
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bar	4/0			OH	3	Pole				<i>Pri Unfus</i>
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	3	2-1000										
22	GUY ANCHOR	2											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	<i>2 Loose Guy Wire; Termite damage to pole</i>											
37	RECOMMEND.	<i>Replace Pole, Tighten Guy Wire</i>											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE # 90												
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/2	40'									
11	CROSS ARM (SETS)	1/2	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Bare	4/0			OH 3	Pole			Pri Un fns		
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No Grd Protection											
37	RECOMMEND.	Install wood protector											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2		1- Light in yard											
3	POLE #	91											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/W	45'									
11	CROSS ARM (SETS)	2	wood	8'									
12	DEAD END PINS	4											
13	PIN INSULATORS	3											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	1					OH	3	Pole		Pri	Unfused	
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	2		1- loose									
22	GUY ANCHOR	2											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	1	pipe	3"					Pole		Pri	Unfused	
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	6											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	loose Guy wire; No Gnd Protector											
37	RECOMMEND.	Tighten; Install Gnd protector											
38	END REPORT												



**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE #	92											
4	VAULT #												
5													
6	INSPECTOR:	PD											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	45'									
11	CROSS ARM (SETS)	8 1/2	wood	8'									Bi-directional
12	DEAD END PINS	12											
13	PIN INSULATORS	6											
14	CONDUCTORS	12	Bare	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	3											
16	FUSE CUT-OUT												
17	AB SWITCHES												
18	GANG SWITCHES												
19	GUY POLE												
20	HEAD GUY WIRE												
21	GUY WIRE	2											
22	GUY ANCHOR	1											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	9					OH		Pole		Pri	Unfus	
27	VAULT	0											
28	FEEDERS	3	pipe	3"					pole		Pri	Unfus	
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	6											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)		Wire Insulators										
34	FLOOD LT.												
35													
36	NOTES:	Pole being fed from elect. sub station; no Gnd protector											
37	RECOMMEND.	Install Gnd protector											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	2/27/98											
2	Lgt. for parking lot & street & sidewalk - qty (4)												
3	POLE #	93											
4	VAULT #												
5													
6	INSPECTOR:	D.B.											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL / DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	45'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Camera for front gate mounted on pole											
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2		4- Street lgt.											
3	POLE #	94											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/10	45'									
11	CROSS ARM (SETS)	2	wood	8'									Bi-directional
12	DEAD END PINS	8											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bar	4/0			OH	3	Pole		Pri	Unfus	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	4	1- loose										
22	GUY ANCHOR	3	1- loose										
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											- 1 loose Guy wire
34	FLOOD LT.												- 1 loose Guy anchor
35													- 1 missing Guy protector
36	NOTES:												- Pole is leaning
37	RECOMMEND.												Tighten, Install Guy protector
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2		Street lgt											
3	POLE #	95											
4	VAULT #												
5													
6	INSPECTOR:	DD											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	45'									
11	CROSS ARM (SETS)	4	wood	8'									Bi-directional
12	DEAD END PINS	16	porcel										
13	PIN INSULATORS	8											
14	CONDUCTORS	8	Bar	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	2											
21	GUY WIRE	2											
22	GUY ANCHOR	2											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	Paint Guy wire insulator yellow near curb & ty/2)											
37	RECOMMEND.	Reflective yellow											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE #	96											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/2	45'									
11	CROSS ARM (SETS)	1	2000	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2		1- Street Lgt.											
3	POLE #	97											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	45'									
11	CROSS ARM (SETS)	1	wood	8									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	8	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE #	98											
4	VAULT #												
5													
6	INSPECTOR:	DJ											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/2	45'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare										
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE													
2		<i>1- Sheet 1 of 3.</i>												
3	POLE # <i>99</i>													
4	VAULT #													
5														
6	INSPECTOR:	<i>DJL</i>												
7														
8														
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS	
10	POLE	<i>1</i>	<i>2/w</i>	<i>45'</i>										
11	CROSS ARM (SETS)	<i>1</i>	<i>wood</i>	<i>8'</i>										
12	DEAD END PINS	<i>0</i>												
13	PIN INSULATORS	<i>8</i>												
14	CONDUCTORS	<i>8</i>	<i>Bare</i>	<i>4/0</i>			<i>OH</i>	<i>3</i>	<i>Pole</i>		<i>Pri</i>	<i>Unfused</i>		
15	TAPS	<i>0</i>												
16	FUSE CUT-OUT	<i>0</i>												
17	AB SWITCHES	<i>0</i>												
18	GANG SWITCHES	<i>0</i>												
19	GUY POLE	<i>0</i>												
20	HEAD GUY WIRE	<i>0</i>												
21	GUY WIRE	<i>0</i>												
22	GUY ANCHOR	<i>0</i>												
23	GROUND WIRE	<i>0</i>												
24	GRD. PROTECTION	<i>0</i>												
25	RISERS	<i>0</i>												
26	POTHEADS	<i>0</i>												
27	VAULT	<i>0</i>												
28	FEEDERS	<i>0</i>												
29	TRANSFORMERS	<i>0</i>												
30	LTG. ARRESTORS	<i>0</i>												
31	CIRCUIT BKRS.	<i>0</i>												
32	BUSS BARS	<i>0</i>												
33	TERMINALS	<i>0</i>												
33	HARDWARE (MISC)	<i>0</i>												
34	FLOOD LT.													
35														
36	NOTES:													
37	RECOMMEND.													
38	END REPORT													



**FORT HAMILTON - PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE #	100											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	45'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.	.											
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2		1-Street Light											
3	POLE #	101											
4	VAULT #												
5													
6	INSPECTOR:	2,3											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/W	45'									
11	CROSS ARM (SETS)	3	wood	8'									
12	DEAD END PINS	19	porc.										
13	PIN INSULATORS	19											
14	CONDUCTORS	12	8-are bare, 4-are insulated										
15	TAPS	1	pipe 3"				OH	3	Pole		PRI	Unfus	Not used
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	1	pipe 3"					3	pole		PRI	Unfus	Not used
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No GRD protector; Termite damage to pole base											
37	RECOMMEND.	Replace Pole											
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE # 10/A												
4	VAULT #												
5													
6	INSPECTOR:	DJB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/40	45'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	2											
14	CONDUCTORS	4	Insp	4/0									
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	1											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	2/27/95											
2													
3	POLE #	1018											
4	VAULT #												
5													
6	INSPECTOR:	DLS											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/40	45'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	3	porch										
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Insulated	4/0									
15	TAPS	1					OH	3	Pole		Pri	Fused	
16	FUSE CUT-OUT	3	chance										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	1											
24	GRD. PROTECTION	1											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	1							Pail		Pri	Fused	
28	FEEDERS	1	pipe	4"			OH	3	Pole		Pri	Fused	
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE # 102												
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE												
11	CROSS ARM (SETS)												
12	DEAD END PINS												
13	PIN INSULATORS												
14	CONDUCTORS												
15	TAPS												
16	FUSE CUT-OUT												
17	AB SWITCHES												
18	GANG SWITCHES												
19	GUY POLE												
20	HEAD GUY WIRE												
21	GUY WIRE												
22	GUY ANCHOR												
23	GROUND WIRE												
24	GRD. PROTECTION												
25	RISERS												
26	POTHEADS												
27	VAULT												
28	FEEDERS												
29	TRANSFORMERS												
30	LTG. ARRESTORS												
31	CIRCUIT BKRS.												
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)												
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE #	103											
4	VAULT #												
5													
6	INSPECTOR:	DJ											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL / DRY TYPE	PRI. OR SEC	FUSED / UNFUSED	REMARKS / COMMENTS
10	POLE	1	2/40	45'									
11	CROSS ARM (SETS)	1	wood	8'									
12	DEAD END PINS	0											
13	PIN INSULATORS	8											
14	CONDUCTORS	4	Bar	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No Grd protector											
37	RECOMMEND.	Install Grd protector											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/27/98											
2													
3	POLE #	104											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	2/w	45'									
11	CROSS ARM (SETS)	2	wood	8'									
12	DEAD END PINS	8	porcl.										Bidirectional
13	PIN INSULATORS	4											
14	CONDUCTORS	4	Bare	4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No Grd Protector											
37	RECOMMEND.	Install Grd prot.											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/24/94											
2		1- Street Lgt.											
3	POLE #	110											
4	VAULT #												
5													
6	INSPECTOR:	DJ											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1											
11	CROSS ARM (SETS)	1 1/2											
12	DEAD END PINS	4											
13	PIN INSULATORS	4											
14	CONDUCTORS	4		4/0			OH	3	Pole		Pri	Fused	
15	TAPS	0											
16	FUSE CUT-OUT	3	Porcel.								Pri	Fused	
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	1											
22	GUY ANCHOR	1											
23	GROUND WIRE	1											Loose Guy wire
24	GRD. PROTECTION	1		1/2 Pipe									
25	RISERS	1		4 wire				3					no weather head 2" pipe to Gnd
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.	Tighten Guy wire ; Install new weather head											
38	END REPORT												



**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	7/28/94											
2													
3	POLE #	110A											
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	3/w	40'									
11	CROSS ARM (SETS)	1/2											
12	DEAD END PINS	0											
13	PIN INSULATORS	0											
14	CONDUCTORS	4		4/0			OH	3	Pole		Pri	Unfused	
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/28/18											
2		1- Street Lgt.											
3	POLE # 114												
4	VAULT #												
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	1	4/w	30'									
11	CROSS ARM (SETS)	0											
12	DEAD END PINS	0											
13	PIN INSULATORS	2											
14	CONDUCTORS	2					OH	1	Pole		See Unfus		
15	TAPS	0											
16	FUSE CUT-OUT	0											
17	AB SWITCHES	0											
18	GANG SWITCHES												
19	GUY POLE	1											
20	HEAD GUY WIRE	1											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	0											
24	GRD. PROTECTION	0											
25	RISERS	0											
26	POTHEADS	0											
27	VAULT	0											
28	FEEDERS	0											
29	TRANSFORMERS	0											
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:	No Grd for Street Lgt.											
37	RECOMMEND.	Properly Ground											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/28/98											
2	Left Side												
3	POLE #												
4	VAULT #	409											
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE												
11	CROSS ARM (SETS)												
12	DEAD END PINS												
13	PIN INSULATORS	3											
14	CONDUCTORS	4	Insd				UG 3		Pad			Fused	
15	TAPS	6											
16	FUSE CUT-OUT	3	POREL										
17	AB SWITCHES												
18	GANG SWITCHES												
19	GUY POLE												
20	HEAD GUY WIRE												
21	GUY WIRE												
22	GUY ANCHOR												
23	GROUND WIRE	1											
24	GRD. PROTECTION												
25	RISERS												
26	POTHEADS												
27	VAULT	409	2										
28	FEEDERS												
29	TRANSFORMERS	3			100		UG 3		PAB	oil		Fused	
30	LTG. ARRESTORS	0											
31	CIRCUIT BKRS.	0											
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)												
34	FLOOD LT.												
35													
36	NOTES:	Small oil leak on transformer porcelain											
37	RECOMMEND.	Check monthly											
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/25/98											
2	Right Side												
3	POLE #												
4	VAULT # 409	1											
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE												
11	CROSS ARM (SETS)												
12	DEAD END PINS												
13	PIN INSULATORS	2											
14	CONDUCTORS	4	Insulated				UG	3	Pad			Fused	
15	TAPS	3					UG	3	Pad			Fused	
16	FUSE CUT-OUT	3	Porcel.										
17	AB SWITCHES												
18	GANG SWITCHES												
19	GUY POLE												
20	HEAD GUY WIRE												
21	GUY WIRE												
22	GUY ANCHOR												
23	GROUND WIRE												
24	GRD. PROTECTION	1											
25	RISERS	2	Pipe	3									
26	POTHEADS	1											
27	VAULT 409	1											
28	FEEDERS	1	Insul				UG	3	pipe pad			Fused	
29	TRANSFORMERS	3			100			3	pad		sec	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)												
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON - PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/28/98											
2		Behind Bld # 213											
3	POLE #												
4	VAULT #	213	1										
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	0											
11	CROSS ARM (SETS)	0											
12	DEAD END PINS	0											
13	PIN INSULATORS	6											
14	CONDUCTORS	4	insul				UG	3	Pad		Pri	Fused	
15	TAPS	6											
16	FUSE CUT-OUT	3	porc										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION												
25	RISERS	2	Conduit	2" x 3"						Pad oil	sec	Fused	
26	POTHEADS	0											
27	VAULT	213	1										
28	FEEDERS	1	insul				UG	3	Pad		Pri	Fused	
29	TRANSFORMERS	3			100		UG	3	Pad oil		Pri	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.												
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)												
34	FLOOD LT.												
35													
36	NOTES:	- Little oil leaking on transformer - Door to enter is dented in hard access											
37	RECOMMEND.	Check leak monthly											
38	END REPORT												

**FORT HAMILTON -PM REPORT  
CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
For: Johnson Controls World Services

1	DATE	7/28/98											
2													
3	POLE #												
4	VAULT #	231											
5													
6	INSPECTOR:	D/B											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	0											
11	CROSS ARM (SETS)	0											
12	DEAD END PINS	0											
13	PIN INSULATORS	0											
14	CONDUCTORS	4	insulated				UG	3	pad		Pri	Fused	
15	TAPS	1	insulated				UG	3	pad		Sec	Fused	
16	FUSE CUT-OUT	3	porcel.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	1	insul				UG	3	pad		Pri	Fused	
26	POTHEADS	0											
27	VAULT	231											
28	FEEDERS	1	insul				UG	3	pad		Sec	Fused	
29	TRANSFORMERS	3	Buckd		37 1/2			3	pad		Pri	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

**FORT HAMILTON -PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/28/98											
2		By Hamilton House											
3	POLE #												
4	VAULT #	1											
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	0											
11	CROSS ARM (SETS)	0											
12	DEAD END PINS	0											
13	PIN INSULATORS	0											
14	CONDUCTORS	4	insulated				UG	3	Pad		Pri	Fused	
15	TAPS	2						3	Pad		Sec	Fused	
16	FUSE CUT-OUT	3	Porcel.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	1	conduit				UG	3	Pad		Sec	Fused	
26	POTHEADS	0											
27	VAULT	1											
28	FEEDERS	1	conduit				UG	3	Pad		Pri	Fused	
29	TRANSFORMERS	3			75/84			3	Pad		Pri/sec	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/28/98											
2		Behind Bldg #125											
3	POLE #												
4	VAULT #	1											
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/ TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	0											
11	CROSS ARM (SETS)	0											
12	DEAD END PINS	0											
13	PIN INSULATORS	2											
14	CONDUCTORS	4	insul				UG	3	Pad		Pri Fused		
15	TAPS	2	insul				UG	3	Pad		see Fused		2-3" conductors
16	FUSE CUT-OUT	3	porcel.										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	2	insul				UG	3	Pad		see Fused		2-3" conductors
26	POTHEADS	0											
27	VAULT	1											
28	FEEDERS	1	unsul				UG	3	Pad		Pri		1-2" conductors
29	TRANSFORMERS	3	Bucket		100		UG	3	Pad		Pri Fused		
30	LTG. ARRESTORS	Y											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												



**FORT HAMILTON - PM REPORT**  
**CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/28/98											
2		Behind Commissary											
3	POLE #												
4	VAULT #	1											
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	0											
11	CROSS ARM (SETS)	0											
12	DEAD END PINS	0											
13	PIN INSULATORS	2											
14	CONDUCTORS	4	insul				OH	3	Pad		Pri	Fused	
15	TAPS	5	insul				UG	3	Pad		Sec	Fused	
16	FUSE CUT-OUT	3	chance										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	5	4" conduit				UG	3	Pad		Sec	Fused	
26	POTHEADS	0											
27	VAULT	1											
28	FEEDERS	1	4" conduit				OH	3	Pad		Pri	Fused	
29	TRANSFORMERS	3			167		UG	3	Pad	Oil	Pri/sec	Fused	
30	LTG. ARRESTORS	3											
31	CIRCUIT BKRS.	0											
32	BUSS BARS	0											
33	TERMINALS	0											
33	HARDWARE (MISC)	0											
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# **FORT HAMILTON -PM REPORT** **CONTRACT #FHSP-98-Q-004**

Prepared by: Crossland Electrical Systems, Inc.  
 For: Johnson Controls World Services

1	DATE	7/28/98											
2		Behind Museum											
3	POLE #												
4	VAULT #	1											
5													
6	INSPECTOR:	DB											
7													
8													
9	ITEM DESCRIPTION	QTY	CLASS/TYPE	SIZE	KVA	AMP	OH/UG	PHASE	POLE / PAD	OIL/ DRY TYPE	PRI. OR SEC	FUSED/ UNFUSED	REMARKS/ COMMENTS
10	POLE	0											
11	CROSS ARM (SETS)	0											
12	DEAD END PINS	0											
13	PIN INSULATORS	4											
14	CONDUCTORS	4	insul				OH	3	Pad		Pri	Fused	
15	TAPS	2	insul				UG						
16	FUSE CUT-OUT	3	change										
17	AB SWITCHES	0											
18	GANG SWITCHES	0											
19	GUY POLE	0											
20	HEAD GUY WIRE	0											
21	GUY WIRE	0											
22	GUY ANCHOR	0											
23	GROUND WIRE	1											
24	GRD. PROTECTION	0											
25	RISERS	2	cond	1-4"									
26	POTHEADS	0											
27	VAULT	1											
28	FEEDERS	1	insul	Pad			OH	3	Pad		Pri	Fused	
29	TRANSFORMERS	3	bushed			167	UG	3	Pad	oil	Pri/sec	Fused	
30	LTG. ARRESTORS												
31	CIRCUIT BKRS.												
32	BUSS BARS												
33	TERMINALS												
33	HARDWARE (MISC)												
34	FLOOD LT.												
35													
36	NOTES:												
37	RECOMMEND.												
38	END REPORT												

# AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1 110

2. AMENDMENT/MODIFICATION NO.

0001

3. EFFECTIVE DATE

03/02/99

4. REQUISITION/PURCHASE REQ. NO.

W16ROE-8323-0698

5. PROJECT NO. (If applicable)

DACA51-99-R-0006

6. ISSUED BY

CODE

e3p0000

7. ADMINISTERED BY (If other than Item 6)

CODE

CONTRACTING DIVISION

26 FEDERAL PLAZA

ROOM 1843

NEW YORK, NY 10278

Ina Ohrwassel

C06 (212) 264-0154

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Vendor ID:

(X)

X

9A. AMENDMENT OF SOLICITATION NO.

DACA51-99-R-0006

9B. DATED (SEE ITEM 11)

12/01/98

10A. MODIFICATION OF CONTRACT/ORDER NO.

10B. DATED (SEE ITEM 13)

CODE

FACILITY CODE

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

## 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Changes, including section J. attachments, to subject solicitation are listed in the attached pages. Additionally, pre-proposal conference materials (bidder's list, attendance sheets and presentation slides) are attached for information purposes only. The due date for proposals remains 12:00 noon on 19 March 1999. Sealed offers in original and copies specified in section L must be received at 26 Federal Plaza, Room 1843 by that time.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

BY

(Signature of Contracting Officer)

NSN 7540-01-152-8070

PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

SF 30 CONTINUATION SHEET

Paragraph H.1.2 Delete the following, "The Contractor and the Government will discuss and negotiate the portion of Government pre-payment and the amortization period."

Delete the last sentence of paragraph H-4, which states, "See also Paragraph B.2.6 Alternate Proposals".

Paragraph H.11.5 delete the word "not" between the words "shall" and "be". After the third "Contractor", change the ";" to "." and delete the remainder of the paragraph.

Delete verbiage in paragraph H.12. and add the term "Reserved".

After the words "Government's Environmental Protection Department and the Government's Hazardous Waste Manager" in paragraph H-13.5 add the following "(ANFH PWV, Fort Hamilton (718) 630-4485)".

Replace paragraph H 14.2 with "The Contractor is required to comply with all local, state and federal environmental laws and regulations during performance of this contract."

Replace the verbiage in paragraph H.15.2 with the term "Reserved".

Delete paragraph L.5 in its entirety.

In Schedule L-2 Change "PRICING AND COST PROPOSAL WORKSHEET" to "PRICE PROPOSAL WORKSHEET". Substitute "price" for the term "cost" in the remainder of the paragraph.

In paragraph L.9.4 replace the words "Courier font, 12 pitch (or equivalent)" with the words "Times New Roman, 12 pitch"

Paragraph L-10.2.4 Substitute the words "Past Performance" for "Comparable Experience" throughout the paragraph. Additionally, after the last sentence of the paragraph, add the following sentence "Additionally, Large Businesses must include a discussion of their past compliance with FAR Part 19 Subcontracting Plans."

Paragraph L-10.4 After the words "Oral Presentations" in the first line, add the following "(2 hour time limit)".

Paragraph L-10.5 After the sentence "Small business concerns are not required to submit this plan." Add the following "However, small business concerns must submit the information required by paragraph L-10.2.3 (c).) Subcontracting plans submitted under this section will be evaluated in accordance with AFARS 19.7"

Section J add "ATTACHMENT G - Small Business Subcontracting Plan"

Attachments A (Electric, Natural Gas, potable Water and Wastewater Utility Sanitized System, Inventories); B Sample Easement; C Map of Fort Hamilton. D Fort Hamilton Excavation Permit (Work Request, EHSC Form 4283-1), and G Small Business Subcontracting Plan are included in this amendment.

Replace paragraph L-14 with the following:

"FAR 52.214-7 -- Late Submissions, Modifications, and Withdrawals of Bids (May 1997)

As prescribed in 14.201-6-(c)(3), insert the following provision:

Late Submissions, Modifications, and Withdrawals of Bids (May 1997)

(a) Any bid received at the office designated in the solicitation after the exact time specified for receipt will not be considered unless it is received before award is made and it --

(1) Was sent by registered or certified mail not later than the fifth calendar day before the date specified for receipt of bids (e.g., a bid submitted in response to a solicitation requiring receipt of bids by the 20th of the month must have been mailed by the 15th);

(2) Was sent by mail (or telegram or facsimile, if authorized) or hand-carried (including delivery by a commercial carrier) if it is determined by the Government that the late receipt was due primarily to Government mishandling after receipt at the Government installation;

(3) Was sent by U.S. Postal Service Express Mail Next Day Service-Post Office To Addressee, not later than 5:00 p.m. at the place of mailing two working days prior to the date specified for receipt of bids. The term "working days" excludes weekends and U.S. Federal holidays; or

(4) Was transmitted through an electronic commerce method authorized by the solicitation and was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of bids.

(b) Any modification or withdrawal of a bid is subject to the same conditions as in paragraph (a) of this provision.

(c) The only acceptable evidence to establish the date of mailing of a late bid, modification, or withdrawal sent either by registered or certified mail is the U.S. or Canadian Postal Service postmark both on the envelope or wrapper and on the original receipt from the U.S. or Canadian Postal Service. Both postmarks must show a legible date or the bid, modification, or withdrawal shall be processed as if mailed late. "Postmark" means a printed, stamped, or otherwise placed impression (exclusive of a postage meter machine impression) that is readily identifiable without further action as having been supplied and affixed by employees of the U.S. or Canadian Postal Service on the date of mailing. Therefore, bidders should request the postal clerk to place a legible hand

cancellation bull's-eye postmark on both the receipt and the envelope or wrapper.

(d) The only acceptable evidence to establish the time of receipt at the Government installation is the time/date stamp of that installation on the bid wrapper or other documentary evidence of receipt maintained by the installation.

(e) The only acceptable evidence to establish the date of mailing of a late bid, modification, or withdrawal sent by U.S. Postal Service Express Mail Next Day Service-Post Office to Addressee is the date entered by the post office receiving clerk on the "Express Mail Next Day Service-Post Office to Addressee" label and the postmark on the envelope or wrapper and on the original receipt from the U.S. Postal Service. "Postmark" has the same meaning as defined in paragraph (c) of this provision, excluding postmarks of the Canadian Postal Service. Therefore, bidders should request the postal clerk to place a legible hand cancellation bull's-eye postmark on both the receipt and the envelope or wrapper.

(f) Notwithstanding paragraph (a) of this provision, a late modification of an otherwise successful bid that makes its terms more favorable to the Government will be considered at any time it is received and may be accepted.

(g) Bids may be withdrawn by written notice or telegram (including mailgram) received at any time before the exact time set for receipt of bids. If the solicitation authorizes facsimile bids, bids may be withdrawn via facsimile received at any time before the exact time set for receipt of bids, subject to the conditions specified in the provision entitled "Facsimile Bids." A bid may be withdrawn in person by a bidder or its authorized representative if, before the exact time set for receipt of bids, the identity of the person requesting withdrawal is established and the person signs a receipt for the bid.

(h) If an emergency or unanticipated event interrupts normal Government processes so as to cause postponement of the scheduled bid opening, and urgent Government requirements preclude amendment of the solicitation or other notice of an extension of the opening date, the time specified for receipt of bids will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.

(End of Provision)

Delete paragraphs L-15, L-16, and L-18.

Replace the first sentence of paragraph M.2.2 with the following, "All the evaluation factors, when combined, are significantly more important than price. Although price will not be scored, it will be a major consideration in the award selection."

In section M, paragraph M.2.1.1 replace "Comparable Experience" with "Past Performance" in Factor III.

Add the following to Section M

"M.4 Subcontracting Plan (Factor V)

1. Large businesses must discuss their subcontracting plan in order to determine the offeror's effective management of and coordination with subcontractors. The discussion shall identify what areas of work the offeror plans to subcontract out and what companies the offeror plans to use to accomplish the work.

2. Subcontracting Plan: In addition to meeting the requirements of the contents of the Subcontracting Plan which will be evaluated by the Government for acceptability in accordance with FAR 52.219-9, the Government will also evaluate the offeror's overall subcontracting efforts in the following areas:

a. Past Performance:

(1) The extent to which the prime has historically been successful in complying with the requirements of the clauses at FAR 52.219-8, Utilization of Small Business Concerns and Small, Disadvantaged Business Concerns, and 52.219-9, Small Business and Small Disadvantaged Business Subcontracting Plan, in establishing realistic yet challenging goals, and shows evidence of ability to achieve the goals. (Offerors who have had no prior Department of Defense (DoD) contracts from which to assess past performance will not be penalized.)

(2) The extent to which small, small disadvantage, women-owned small, HBCU/MIs, and qualified nonprofit blind and other severely disabled firms are specifically identified (by name) by the prime.

(3) The diligence demonstrated and extent of commitment by the prime to use the specifically identified firms, whether as a joint venture, teaming arrangement, or subcontractor.

(4) The complexity and variety of the work small firms are to perform.

(5) The realism of the subcontracting proposal.

(6) The extent of participation of small firms in terms of

the value of the total acquisition.

b. Small businesses are not required to submit a Subcontracting Plan nor the additional evaluation information; they will not be penalized nor their overall evaluation impacted by the Government's evaluation of subcontracting efforts on the part of large businesses. The evaluation of large businesses' overall subcontracting proposals will be part of the best value determination by the Government and may be used as a final discriminator when comparing competing large businesses."



U. S. Army  
Center for Public Works  
Fort Belvoir, Virginia

**UTILITY PRIVATIZATION STUDY:  
INVENTORY REPORT**

**NATURAL GAS, ELECTRIC, POTABLE WATER &  
WASTEWATER SYSTEM**

**FORT HAMILTON, NEW YORK**

Contract No. DACA31-93-D-0095  
Delivery Order No. 0073

November 1998

**C. H. GUERNSEY & COMPANY**  
Engineers - Architects - Consultants  
Oklahoma City, Oklahoma

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- 1.0 REPORT SUMMARY
- 2.0 NATURAL GAS DISTRIBUTION SYSTEM
- 3.0 ELECTRIC DISTRIBUTION SYSTEM
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- 5.0 WASTEWATER COLLECTION SYSTEM

## 1.0 REPORT SUMMARY

### 1.1 INTRODUCTION

Through Contract No. DACA31-93-D-0095, administered by the Baltimore District of the U.S. Army Corps of Engineers and the U.S. Center for Public Works, Fort Belvoir, Virginia, C. H. GUERNSEY & COMPANY was tasked to perform a cost of service and life-cycle cost analysis of Fort Hamilton natural gas distribution, electric distribution, potable water distribution and wastewater collection systems. The four utility systems are currently owned by the Army and operated by Johnson Controls. This study will be used by decision-makers to address the costs and benefits associated with the potential privatization of Fort Hamilton's utility systems and to select alternatives which will meet the goals of maintaining reliable utility services, mission reliability, and utility system integrity in a cost-effective manner.

Fort Hamilton is the only active Army post in the New York metropolitan area. It controls over 700 units of family housing; 118 town-house units; and 512 apartment units. The cornerstone of Fort Hamilton was put in place in June 1825 under the name Fort Lewis then officially named Fort Hamilton after Alexander Hamilton, the first secretary of the treasury.

### 1.2 STUDY OBJECTIVES

Department of Defense ("DoD") policy encourages the privatization of Government-owned utility systems in situations where the transfer of the utility systems to private, cooperative, municipal or regional utility systems may be proven cost-effective without jeopardizing the reliability of service or the security of the mission. The maintenance and replacement of existing systems are becoming more complex and costly, making it difficult for the Government to operate the systems in compliance with federal, state and local laws and regulations. New environmental laws and regulations may impose more stringent

requirements on the utility systems, thus making it increasingly difficult for the Government to operate the utility systems in a cost-effective and prudent manner. Although public, private and regional utility systems are also required to meet the same environmental laws and regulations, it is believed that these systems are better positioned to respond to such requirements. Budgetary constraints and manpower limitations may also impact the ability of the Army to provide reliable utility-related services with adequate consideration of security, safety, and environmental compliance.

Privatization of the utility systems can be economically justified under Army regulations if the overall privatized life-cycle cost of service is less than or equal to the life-cycle cost of the continued Army ownership alternative. In some instances, the Army has pursued privatization even though the life-cycle cost ("LCC") of privatization is greater than continued Government ownership and operation based upon non-economic justification. Fort Hamilton, in compliance with Department of Defense policy, is analyzing the alternatives available to supply natural gas, electric power, potable water and wastewater utility services to the Installation which are cost-effective, reliable, safe and secure.

### 1.3 STUDY METHODOLOGY

The process that will be used to determine whether privatization of these utility systems owned by Fort Hamilton meets the requirements stated above consists of four major areas. The first process area is the development of an inventory report identifying the facilities owned by the Installation as well as the fair value of these facilities. The second process area is to develop the baseline cost of service and 25 year life cycle cost analysis ("LCCA") of continued Army ownership of the Redstone Arsenal wastewater utility system. The third process area is the request for proposal ("RFP") phase. In this phase, RFPs are developed requesting qualified companies to indicate the price they will pay for the utility systems as well as the costs they will need to recover in order to collect the operating conditions identified. The fourth and final process area is the analysis of the responses to the RFPs, determination of best value, and negotiation / transfer of property.

#### 1.4 ON-SITE INVESTIGATION

During the week of 25 August 1997, a site visit was conducted by the GUERNSEY project team to review and gather information concerning the natural gas distribution, electric distribution, potable water distribution, and wastewater collection systems. A field inspection combined with discussions with the Base Staff and the Base contractor provided initial information concerning the condition of the system. A full-scale inventory of the four systems was not conducted.

#### 1.5 GENERAL OVERVIEW

The purpose of this report is to detail the results of the inventory as well as detail the development of the Fort Hamilton cost of service associated with continued Government ownership of the four utility systems. The cost of service information is next used as the baseline in the 25-year LCCA. An LCCA will be developed using a 3% inflation factor and a 6.1% discount factor. The results of the LCCA (after any necessary changes and corrections) will represent the Status Quo cost of continued Army ownership. The cost levels contained in the responses to the RFPs will be compared with the Status Quo costs to determine economic feasibility associated with a privatization offer.

## 2.0 NATURAL GAS DISTRIBUTION SYSTEM

### 2.1 Existing Facilities

The natural gas system on Base consists exclusively of a natural gas distribution system. Natural gas is delivered by Brooklyn Union Gas (BUG) and connects to the distribution system at three points. One connection point is the intersection of 101st Street and Hamilton Parkway. The other connection is near the intersection of Battery Avenue and Poly Place and provides gas to the high rise apartments, Buildings 136, 137 and 138. The third connection point is along Poly Place and provides gas service only to Building 135. The gas is supplied through a DoD supply contract and delivered to the gas distribution system by BUG. The gas is supplied at 6 and 14 pounds per square inch pressure at the metered connections.

The on-post natural gas distribution system consists of looped mains following the principal roads. The natural gas distribution system consists of about 16,140 feet of pipe, 49 distribution valves and 46 building services. The pipe sizes are from less than 2 inches to 8 inches in diameter. The drawings indicate that the distribution pressure is 5 to 8 pounds per square inch. The distribution piping is steel pipe with welded joints and coated and wrapped. The system is protected by a cathodic protection system. The average depth of the lines is 30 inches. Most of the natural gas system was installed in the 1950s and 1960s and has had very little additions or repairs to the system since then.

### 2.2 Identified Natural Gas Improvements

The natural gas distribution system is not new. As with any older system there is a constant need for upgrades and improvements to be made to the system to keep the system in good reliable condition. Standard routine preventive maintenance is necessary to maintain the system in good acceptable condition.

### 2.3 System Reliability and Quality of Service

The Installation's natural gas system appears to provide an acceptable quality of service. Installation personnel have not indicated any significant reliability problems with the Base natural gas supply or distribution systems.

DACA51-99-R-0006 Amend. 0001

SECTION J : ATTACHMENT A

*Fort Hamilton, New York*  
**DISTRIBUTION MAINS / PIPE SIZES & LENGTH INVENTORY - LINEAR FEET**  
*Natural Gas Distribution System*

<u>Pipe Size</u>	<u>Inventory</u>	<u>Date Installed</u>
<2"	2,215	1950
2"	1,220	1950
2.5"	1,375	1950
3"	2,280	1950
4"	3,435	1950
6"	2,690	1950
8"	<u>2,925</u>	1950
<i>Total</i>	16,140	
<i>Bldg. Services</i>	46	1950
<i>Main Valves</i>	49	1950
<i>Main Mtr/Reg.</i>	1	1950



### 3.0 ELECTRIC DISTRIBUTION SYSTEM

#### 3.1 Existing Facilities

Fort Hamilton currently purchases wholesale electric power at 26.4 kV from Consolidated Edison Electric Company (ConEd) at a single primary delivery voltage point near the center of the east boundary of the Installation. Fort Hamilton owns and operates an electric utility system consisting of: one 26.4 kV distribution substation, approximately 3.2 circuit miles of overhead primary distribution lines and approximately 1.3 circuit miles of underground primary lines.

The Main Substation, which supplies the entire compound, consists of one 26.4 kV metal clad switchgear assembly, one 4.16 kV metal-clad assembly, and four 2,000 kVA, 26.4 – 4.16 kV power transformers. The 26.4 kV switchgear serves as the termination for the four incoming ConEd 26.4 kV feeders and as the primary side protection for the four power transformers. The 4.16 kV switchgear provides secondary side protection for the four power transformers and control / over-current protection for the eight 4.16 kV feeders (with capacity for four future circuits).

The majority of the distribution circuits are configured with loop tie switches to neighboring circuits. The distribution system is composed of overhead pole-line construction (which is conventional, wood pole, open wire construction) with pole mounted transformer banks. There is also a small amount of underground primary construction which utilizes duct type construction and pad mounted transformers. The underground primary facilities are generally arranged in a radial-lateral configuration.

A number of areas of the electric system will require replacements, improvements or upgrades to conform with commonly accepted industry standards and practices as well as the National Electric Safety Code (NESC). Seven instances of

ground mounted pole type transformers were identified as needing to be replaced with pad mounted transformers. There are no known PCB transformers on-site.

### 3.2 Identified Electric Improvements

The electric distribution system is not new. As with any older system there is a constant need for upgrades and improvements to be made to the system to keep the system in good reliable condition. Standard routine preventive maintenance is necessary to maintain the system in good acceptable condition.

In addition to the correction to the transformers noted above, certain facilities will need to be rebuilt/extended to provide service to the new Commissary. The cost of this project associated with high voltage electric service was not available at the time of this report.

### 3.3 System Reliability and Quality of Service

The Installation's electric system appears to provide an acceptable quality of service. Installation personnel have not indicated any significant reliability problems with the Base electric supply or distribution systems.

## SECTION J : ATTACHMENT A

Fort Hamilton, New York  
 TRANSFORMER AND CONDUCTOR SIZES & LENGTH INVENTORY  
*Electric Distribution System*

<u>Size</u>	<u>Inventory</u>	<u>Date Installed</u>
<b>Pole Type Transformers:</b>		
15 kVA & smaller	1 unit	1993
25 kVA	18 units	1993
37.5 kVA	19 units	1993
50 kVA	21 units	1993
75 kVA	1 unit	1993
100 kVA	12 units	1993
150 kVA	1 unit	1993
250 kVA	1 unit	1993
<b>Pad Type Transformers:</b>		
1P - 50 kVA	1 unit	1982
3P - 112.5 kVA & smaller	1 unit	1982
3P - 150 kVA	9 units	1982
300 kVA	1 unit	1982
500 kVA	1 unit	1982
750 kVA	3 units	1982
1500 kVA	3 units	1982
<b>Overhead Distribution Lines:</b>		
3 Ph - Open Wire Small	17,070 LF	1963
Secondary	818 LF	1963
Group Oper. Air Break Switches	5 units	1963
<b>Underground Distribution Lines:</b>		
3 Ph - Large	3,168 LF	1989
3 Ph - Small	3,612 LF	1980
<b>Street Lights:</b>		
Fixtures	243 units	1977
Poles	236 units	1977
Lighting Circuits	24,019 LF	1977
<b>Services:</b>		
3 Phase	22 units	1980
1 Phase	138 units	1980

## 4.0 POTABLE WATER DISTRIBUTION SYSTEM

### 4.1 Existing Facilities

The potable water system on Post consists exclusively of a water line distribution system. Treated water is purchased from the City of New York City. The system was constructed / reconstructed in 1950's and 1960's. These facilities are owned by the Fort, but have been operated, maintained and repaired by a contractor since 1986.

Potable water is delivered by the City at three locations. Double meters are located at delivery pits one and three, a single meter is located at delivery pit two. Distribution lines from these delivery points are cast iron except where replacements have been made of ductile iron. There are approximately 31,000 feet of water lines. Water system pressure is 78 pounds per square inch. There are no elevated storage tanks on Post.

### 4.2 Identified Potable Water Improvements

The water distribution system is not new. As with any older system there is a constant need for upgrades and improvements to be made to the system to keep the system in good reliable condition. Standard routine preventive maintenance is necessary to maintain the system in good acceptable condition.

### 4.3 System Reliability and Quality of Service

The Installation's potable water systems appear to provide an acceptable quality of service. Installation personnel have not indicated any significant reliability problems with the Base water supply or distribution systems.

SECTION J: ATTACHMENT A

*Fort Hamilton, New York*  
**DISTRIBUTION MAINS / PIPE SIZES & LENGTH INVENTORY - LINEAR FEET**  
*Potable Water Distribution System*

<u>Pipe Size</u>	<u>Inventory</u>	<u>Date Installed</u>
<2"	635	1950
2"	2,025	1950
2.5"	1,300	1950
3"	1,810	1950
6"	3,135	1950
8"	19,215	1950
12"	<u>2,720</u>	1950
<i>Total</i>	30,840	
<i>Bldg. Services</i>	41	1950
<i>Main Valves</i>	139	1950
<i>Hydrants</i>	55	1950

## 5.0 WASTEWATER COLLECTION SYSTEM

### 5.1 Existing Facilities

The wastewater system on Post consists exclusively of a collection system and a single lift station. The Fort does not have any sewage treatment facilities. All sewage is to the City of New York City for treatment. The wastewater collection system dates back to the 1950's. The facilities are owned by the Post, but since 1986 have been operated, maintained and repaired by a contractor.

The post's sewer system enters the City's system at five points. The majority of the sewage flows to a lift station located generally west of the old Fort Hamilton between two Hamilton Parkway access ramps. The sewage that flows to the lift station is pumped to a manhole where it flows by gravity to the City sewer system near the intersection of Hamilton Parkway and 101th Street. Another sewer entry point to the City system is along Battery Avenue near Building S-107. This sewer line has flow from only a few buildings. The third sewer entry point is located at the intersection of Battery Avenue and Poly Place; sewage entering the City system here is from the high-rise buildings 136, 137 and 138. The fourth entry point is along Poly Place and is only flow from building 135. The last entry point is near the intersection of Wainwright Drive and Poly Place. This entry point collects sewage from the Fort buildings along Wainwright Drive.

There is approximately 24,935 feet of sewer lines, 74 building services and 136 manholes within FH. Within the sewer collection system is a single lift station. The lift station is a duplex station with wet well/dry well. The lift station does have a dedicated emergency generator to supply emergency power during a power outage. At one time a portion of the Post's sewer system was a combined sewer system. It

## SECTION J: ATTACHMENT A

is our understanding that the storm drainage flows do not enter the sanitary sewer system with the exception of a small area near buildings 100 through 107.

### 5.2 Identified Wastewater Improvements

The wastewater collection system is not new. As with any older system there is a constant need for upgrades and improvements to be made to the system to keep the system in good reliable condition. Standard routine preventive maintenance is necessary to maintain the system in good acceptable condition.

### 5.3 System Reliability and Quality of Service

The Installation's wastewater collection system appears to provide an acceptable quality of service. Installation personnel have not indicated any significant reliability problems with the system.

SECTION J : ATTACHMENT A

*Fort Hamilton, New York*  
**COLLECTION MAINS / PIPE SIZES & LENGTH INVENTORY - LINEAR FEET**  
*Wastewater Collection System*

<u>Pipe Size</u>	<u>Inventory</u>	<u>Date Installed</u>
4"	25	1950
6"	7,135	1950
8"	3,625	1950
10"	5,765	1950
12"	2,755	1950
15"	1,685	1950
18"	650	1950
20"	260	1950
24"	2,985	1950
30"	<u>50</u>	1950
<i>Total</i>	24,935	
<i>Services</i>	74	1950
<i>Manholes</i>	136	1950



# Schedule B: Cost Components

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- **Capital Upgrades:** Uniform Capital Cost Recovery for Replacement or Upgrades of the Utility Systems
- **Purchase Price:** Price Offered by the Contractor for the Value of the Utility Systems (may be +, -, or \$1)

# Schedule B: Cost Components

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- **Initial Upgrades:** Upgrades to Utility Systems to Meet Contract Minimum Requirements
- **Distribution Charge:** Costs to Own, Operate and Maintain Utility Systems

# Sample Schedule B-1

## Electric Distribution System

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- Hypothetical Costs for Year 1
  - Initial Upgrade: \$600,000 or \$90,000 if financed at 8% for 10 years
  - Distribution Charge: \$100,000
  - Capital Upgrades: \$100,000
  - Purchase Credit: \$0, for simplicity, however, there could be tax issues
  - Total Costs = \$800,000 or \$290,000 (financed)

# Sample Schedule B-1, Natural Gas Distribution System

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## • Hypothetical Costs for Year 1

- Initial Upgrade: \$600,000 or \$90,000 if financed at 8% for 10 years
- Distribution Charge: \$75,000
- Capital Upgrades: \$25,000
- Purchase Credit: \$0, for simplicity, however, there could be tax issues
- Total Costs = \$700,000 or \$190,000<sub>(financed)</sub>

# Sample Schedule B-1, Potable Water Distribution System

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## • Hypothetical Costs for Year 1

- Initial Upgrade: \$1,500,000 or \$220,000 if financed at 8% for 10 years
- Distribution Charge: \$75,000
- Capital Upgrades: \$25,000
- Purchase Credit: \$0, for simplicity, however, there could be tax issues
- Total Costs = \$1,600,000 or \$320,000

# Technical Contract Requirements

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- New York City Building Codes
- New York Public Service Commission Technical Standards
- Army Regulation (AR) 420-49
- Electric: National Electric Safety Code
- Nat. Gas: DOT 191, 192, 199

# Sample Schedule B-1, Wastewater Collection System

## • Hypothetical Costs for Year 1

- Initial Upgrade: \$1,500,000 or \$220,000 if financed at 8% for 10 years
- Distribution Charge: \$75,000
- Capital Upgrades: \$25,000
- Purchase Credit: \$0, for simplicity, however, there could be tax issues
- Total Costs = \$1,600,000 or \$320,000

# **Sample Schedule B-1, Total Cost of Contract**

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- Total Cost for all 4 Utilities at Fort Hamilton without financing: \$4,700,000
- Total Cost for all 4 Utilities at Fort Hamilton with financing: \$1,120,000
- Follow same Process for Years 2-10



# Legal Right To Serve

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The Contractor shall declare and maintain a legally valid right to provide utility distribution service for the Fort Hamilton installation with regard to applicable New York State and federal utility regulatory laws.

# Major Contract Deliverables

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- Capital Improvement Plan
  - Projected Capital Improvements
- O&M Plan
  - Estimated O&M Costs
  - Actual O&M Costs
  - Projected O&M Costs
- Compliance Report
  - Verify Compliance to Performance Standards

# Major Contract Deliverables

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- Transition Plan
  - Transition of Ownership
  
- Service Restoration Plan
  - Major Outage Restoration

# Contractual Documents

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- Utility Service Contract
  - FAR Part 41
- Easement
  - Sample Easement Attached in Section J

# Environmental Documentation

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- Environmental Assessment Underway

- Performed by C.H. Guernsey
- Draft EA Due 31 March
- Final EA Report Prior to Contract Award

# Points of Contact

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Larry Locke / Ina Ohrwashel

(212) 264 - 6707

Lawrence.T.Locke@nan02.usace.army.mil

Ina.J.Ohrwashel@nan02.usace.army.mil

New York District Corps of Engineers

Web Page for Utility Privatization:

<http://www.nan.usace.army.mil/>

Contract No. DACA31-D-93-009

Delivery Order No. 006

# **Fort Hamilton, NY**

## **February 19, 1999**

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**Pre-Proposal Conference**

**Electric Distribution System**

**Natural Gas Distribution System**

**Potable Water Distribution System**

**Wastewater Collection System**

# The Army Goal

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To privatize 100 percent of electrical, water, wastewater, and natural gas systems by 30 September 2003, except those needed for unique security reasons or when privatization is uneconomical.



# Discussion Topics

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- Background / Goals
- Fort Hamilton Utility Systems
- Schedule B, Cost Structure
- Contract Features
- Points of Contact

# Background

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Defense Reform Initiative Directive #49, December 1998, the Secretary of Defense stated that "by September 31, 2003, the Department will privatize all utility systems (electric, water, wastewater, and natural gas) except those needed for unique security reasons or when privatization is uneconomical.

# The Fort Hamilton Goal

---

- Bundle the installations into one package and award to one successful offeror.
- Select a contractor (regulated or non-regulated) to own, operate, and maintain the four (4) utility systems
- Transfer ownership of the utilities to a contractor/utility with capabilities of owning, operating, and maintaining these systems.

# **The MDW Goal**

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Assistant Chief of Staff for Installation Management (ACSIM) revised milestones for MDW Utility Privatization: Fort Hamilton Utilities to be privatized before 30 September 1999.

# Included Utilities

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- The Fort Hamilton, NY:
  - Electric Distribution System
  - Natural Gas Distribution System
  - Potable Water Distribution System
  - Waste Water Collection System

# Scope and Purpose of RFP

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- Consolidate Four (4) Fort Hamilton Utilities Into One (1) Solicitation
- Evaluate Qualified Proposals of Regulated or Non-regulated Offerors to Own, Operate, and Maintain the Fort Hamilton Utility Systems
- If Economically Feasible, Award Contract to Qualified Capable Offeror

# Fort Hamilton, NY

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- Fort Hamilton Contains Approximately:

- 700 Family Housing Units
- 118 Town-House Units
- 512 Apartment Units

# **Fort Hamilton Electric Distribution Utility System**

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- Wholesale Electricity Purchased From Consolidated Edison
  - Separate Procurement
- One (1) 26.4 kV Distribution Substation
- Approx. 3.2 Circuit Miles of Overhead Primary Distribution Lines
- No Known PCBs On-site



# ► Fort Hamilton Potable Water Distribution Utility System

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- ◉ Treated Water Purchased from NYC
  - Separate Contract
- ◉ Water Distribution System Only
- ◉ Approx. 31,000 Feet of Water Mains and Service Laterals
- ◉ Water System Pressure is 78 psi
- ◉ Majority of System Installed during the 1950's and 1960's.

# Fort Hamilton Natural Gas Distribution Utility System

---

- Natural Gas Purchased Through Brooklyn Union Gas/Keyspan
  - Separate Contract
- Distribution Consists of Approximately:
  - 16,140 Feet of Pipe
  - 49 Distribution Valves
  - 46 Building Services
- Majority of Utility System Installed in the 1950's and 1960's

# **Fort Hamilton Wastewater Collection Utility System**

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- Wastewater Pumped to NYC for Treatment
  - Separate Contract
- Wastewater Collection System and One (1) Lift Station
- Approx. 25,000 Feet of Wastewater Mains and Service Laterals
- 74 Building Services, 136 Manholes
- Majority of System Installed during the 1950's

# Schedule B - Cost Schedule

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- Traditional Firm-Fixed Price Format
- 4 Cost Components
- 10 Year Contract Term
  - Required by FAR Part 41 (Utility Service Contract)
- Table L-1, Sample Schedule B-1

# General Solicitation Requirements

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- Own, Operate, Maintain, and Accept Full Liability for the Fort Hamilton Utility Systems (possible exception for Natural Gas Distribution System)
  - If Natural Gas Distribution System is to be replaced, then short term liability to be retained by the Government

# Schedule B Assumptions

---

- Schedule B Design Assumptions
  - Simplicity Critical to Contract Admin.
  - Non-Traditional Utility Service Providers
    - Trend Towards De-Regulation
    - Profits/Returns Commensurate with Risk
  - New Distribution/Collection Utility Systems Require Lower Maintenance Costs

## ACTIONS TO ENHANCE MPO:

- Advertise subcontracting opportunities/solicitations in the Commerce Business Daily (CBD), the Internet, and via other electronic means.
- Umbrella the bonding requirements.
- Provide wrap-up insurance.
- Consider joint ventures.
- Provide financial assistance via advance working capital, expedited payments, etc.
- Furnish materials, warehousing, etc.
- Provide technical, management, and financial training and counseling.
- Utilize pre-bid meetings to clarify requirements.

- Break out requirements into smaller packages.
- Allow adequate time for firms to offer proposals, submit bids, etc. (at least 30 days).
- Evaluate "Furnish and Install" possibilities; i.e., a large business contractor/subcontractor can purchase an item from a SB dealer and subcontract the installation to a large business installer, or vice-versa.
- Keep the playing field level; i.e. no special "heads up" to a most favored offeror; allow all bidders equal time to respond; provide the same information to all prospective subcontractors at the same time.
- Notify SB/SDB/WOSBs that trade union membership is not a FAR (contract) requirement; but, payment of the Davis-Bacon prevailing wage rates is a FAR (contract) requirement.



## VII.

# WHAT IS AN ACCEPTABLE SUBCONTRACTING PLAN?

### The Subcontracting Plan:

- Must include the six elements.
- Must provide MPO.
- Must contain challenging goals that reflect the contractor's best efforts for each specific industry.

**V.**  
**THE PRE-AWARD RESPONSIBILITIES OF A LARGE  
BUSINESS PRIME CONTRACTOR OR  
SUBCONTRACTOR**

- Discuss Subcontracting Plan requirements with all potential large business subcontractors bidding on subcontracts over the thresholds during the solicitation process, i.e., at individual meetings, pre-bid conferences, etc. Ensure that they understand that the plan is a contractual requirement.
- Provide sample Subcontracting Plan formats to all potential large business contractors.
- Require potential large business subcontractors to submit Subcontracting Plans with their bids/proposals.
- If Subcontracting Plans are a part of the evaluation process, let large business subcontractors know up front.

## XI.

### THE UTILIZATION OF SB CONCERNS AND SDB CONCERNS

#### WHAT IS THE UTILIZATION CLAUSE?

- The Utilization Clause states that:  
"It is the policy of the United States that small business concerns, small business concerns owned and controlled by socially and economically disadvantaged individuals and small business concerns owned and controlled by women shall have the maximum practicable opportunity to participate in performing contracts let by any Federal agency, including contracts and subcontracts..."

- The Utilization Clause requires contractors/subcontractors to:
  - Provide MPO for SB, SDB and WOSB Concerns to participate in Federal contracts.
  - Establish procedures to ensure timely payments to SB, SDB and WOSB subcontractors.
  - Cooperate in any studies or surveys by the SBA or the awarding agency.
- The clause also defines the terms "small business concern," "small business concern owned and controlled by socially and economically disadvantaged individuals," and small business concern owned and controlled by women."
- According to the Subcontracting Plan Clause, the failure of a contractor or subcontractor to comply with the Utilization Clause shall be a material breach of contract.

## WHO FLOWS DOWN THE CLAUSE AND TO WHOM?

- The Utilization Clause flows down to ALL subcontractors (LB, SB, SDB and WOSB), without regard to any dollar threshold. The only criterion is that there be further subcontracting possibilities in the subcontract.
- By accepting a subcontract with this clause in it, a firm agrees to carry out the requirements of the clause.

## HOW FAR DOES THE FLOWDOWN GO?

- The Utilization Clause flows down to all tiers.
- The Utilization Clause applies to every contractor and every subcontractor who works on a Government contract (initial award value over \$2500), and who is subcontracting any work whatsoever.
- By accepting a subcontract with this Clause in it, a firm is agreeing to flow down the Clause to their lower tier subcontractors.

# **PRE-PROPOSAL CONFERENCE**

**DACA51-99-R-0006**

**UTILITIES PRIVATIZATION**

**FORT HAMILTON, BROOKLYN, NY**

**19 FEBRUARY 1999**

*AN OVERVIEW OF  
SMALL BUSINESS,  
SMALL DISADVANTAGED BUSINESS  
AND  
WOMEN-OWNED SMALL BUSINESS  
SUBCONTRACTING PLAN  
REQUIREMENTS*



## **AGENDA**

- Welcome - B. Backus, New York District, Contracting Division
- Process Groundrules - L. Locke, Contract Specialist
- RFP Overview - L. Locke, Contract Specialist
- Technical Overview – R. Armstrong, C.H. Guernsey
- Concluding Remarks – Questions/Answers

## **PROCESS GROUNDRULES**

- All attendees sign the sign-in sheet
- Submit business cards, if applicable
- All questions must be in writing
- Nothing said during the process by any offeror or Government representative will be scored. Everything must be in the offeror's proposal to count

## **Source Selection Process**

- Technical and price proposals reviewed by separate teams
- After oral presentations, competitive range established based technical scores only
- Deficiencies discussed with each offeror
- Final proposal revisions scored and best value determined

## **RFP OVERVIEW**

- DACA51-99-R-0006 consists of:
- Sections A, B, C, G, H, I, J, K, L, and M.
- 1 Volume (including technical information/exhibits)
- 10 year term (FAR part 41)
- Value \$5,000,000. - \$10,000,000.00

## RFP OVERVIEW (Cont'd)

- Government will evaluate the total price for award.
- 40 Contract Line Items (CLINs). 4 per year (Electric, Natural Gas, Potable Water, and Wastewater)
- 4 Sub Line Items under each CLIN. (Initial Upgrade, Distribution Charges, Capital Upgrades and Purchase)
- Timely Submission of Proposal is mandatory  
Due Date - 19 March 1999

## RFP OVERVIEW (Cont'd)

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- 4 Sub Line Items under each CLIN. (Initial Upgrade, Distribution Charges, Capital Upgrades and Purchase)
- Timely Submission of Proposal is mandatory  
Due Date - 19 March 1999

## **AMENDMENT 1**

- Deleted Paragraph B.2.6 and revised H-4 to remove Alternate Proposals
- Section J:
  - Added Attachments A through E and G (Small Business Subcontracting Plan)
  - Updated FAR 52.214-7 (Late Submissions) with the most current version
- Added a two hour time limit to oral presentations (paragraph L-10.4)

## **Best Value**

- Selection will be made by obtaining the best value for the Government. Evaluation may result in tradeoffs between price and technical. Award will not necessarily be made to the lowest priced offer.



## **AMENDMENT 1 (Cont'd)**

-Revised paragraph L-10.5 to clarify that small business concerns must submit the information required by L-10.2.3 [c]

- All questions regarding this solicitation must be submitted in writing to:

NYD US Army Corps of Engineers  
26 Federal Plaza, Room 1843  
Attention: I. Ohrwashel  
New York, New York, 10278

## **RFP OVERVIEW**

- **DACA51-99-R-0006** consists of:
- **Sections A, B, C, G, H, I, J, K, L, and M.**
- **1 Volume (including technical information/exhibits)**
- **10 year term (FAR part 41)**
- **Value \$5,000,000. - \$10,000,000.00**

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New York, New York, 10278

PRE-PROPOSAL CONFERENCE

DACA51-99-R-0006

19 Feb 1999

UTILITIES PRIVATIZATION

10.00

FORT HAMILTON, BROOKLYN, NY

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE</u>
DAVID WEISS	PEPCO	202 739-0822
LEE GUTERMAN	CDM	(732) 225-7000
Brian Farrelly	CDM	(516) 496-8400
JOE DELLOIACOVO	PSEG	732-744-2056
STEPHEN CARSON	Citywide	516-767-3838
TED PAPPAS	KEYSPAN	516-545-4466
CHARLES VEMEISTER	KEYSPAN	516-876-1827
ROBERT MUCCI	KEYSPAN	516-876-1826
TOM BRIGGER	ENRON	202-429-2044
Dean TARBET	ENRON	202 466 9167
ANDREW VAN DYKSTUYF	DynCorp	301-594-5022
<del>JOHN'S Lefevre</del>		
GUS VIELER	JOHN FAN CONTROLS	(718) 30-4264
JOHN R. ESEMPHARE	CON ED.	(718) 802-5540

PRE-PROPOSAL CONFERENCE

DACA51-99-R-0006

UTILITIES PRIVATIZATION

FORT HAMILTON, BROOKLYN, NY

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE</u>
M. Paidoussis	DPW	718-630-4501
L. LOIKE	CENAN-CT	212 264 6707
DOROTHY KALLON	CENAN-NAN	212 - 264-5999
AL: DAWISHIAN	MDW	202-685-2919
JOHN POLWISSE	CENAN-CT	212-264-0154
Pick Armstrong	C.H. Guernsey	405-416-8261
WAYNE STONE	MDW	703-806-0063
Lorraine Lee	CENAN-OC	212 264-0156
LOUIS LeFevre	DPW, Ft. Hamilton	718-630-4136

Solicitation: daca51-99-R-0006

FSC Class: y249

B	er No.	Response	Vendor ID	Name/Address
	1	No	00000023	TRIGEN NASSAU ENERGY CORPORATION ATTN: NICHOLAS CAVAGNARO 185 CHARLES LINDBERGH BLVD GARDEN CITY NY 11530  Size: Small Socioeconomic Status: Educ Institution: HBCUMI: No
	2	No	00000024	NORESCO ATTN: JEANETTE-COLEMAN HALL 111 SPEEN STREET FRAMINGHAM MA 01701  Size: Small Socioeconomic Status: Educ Institution: HBCUMI: No
	3	No	00000026	GEORGE E SANSOUCY PE ATTN: GEORGE E SANSOUCY 260 TEN ROD ROAD ROCHESTER NH 03867  Size: Small Socioeconomic Status: Educ Institution: HBCUMI: No
	4	No	00000027	PSEG ENERGY TECHNOLOGIES INC ATTN: JOE DELLOIACOVO 499 THORNALL STREET EDISON NJ 08837-2295  Size: Small Socioeconomic Status: Educ Institution: HBCUMI: No
	5	No	00000044	ENRON FEDERAL SOLUTIONS INC

Solicitation: daca51-99-R-0006

FSC Class: y249

Order No.	Response	Vendor ID	Name/Address
			ATTN: DEAN TARBET 1775 EYE STREET NW STE 800 WASHINGTON DC 20006  Size: Small Socioeconomic Status: Educ Institution: HBCUMI: No
6	No	00007241	JOHNSON CONTROLS INC ATTN: D Tyler BLDG #301 2ND FL NYAC AND FT HAMILTON BROOKLYN NY 11252-6000  Size: Large Socioeconomic Status: Educ Institution: HBCUMI: No
7	No	00007255	KEYSPAN ENERGY MANAGEMENT INC ATTN: Robert Braun 30 JERICHO EXECUTIVE PLAZA CENTER WING JERICHO NY 11753  Size: Small Socioeconomic Status: Educ Institution: HBCUMI: No
8	No	00007258	CITYWIDE OFFICE MANAGEMENT SERVICES INC ATTN: Howard Hecht 366 MAIN STREET PORT WASHINGTON NY 11050  Size: Small Socioeconomic Status: Educ Institution: HBCUMI: No

# **I. THE LAW, THE RULES AND THE REGULATIONS**

## **PUBLIC LAW 95-507, AS INCORPORATED INTO THE SMALL BUSINESS ACT**

- It is the policy of the United States that small business (SB), small disadvantaged business (SDB) and women-owned small business (WOSB) concerns shall have the maximum practicable opportunity (MPO) to participate in the performance of contracts awarded by any Federal agency. Contractors are legally obligated to carry out this policy in the awarding of subcontracts to the fullest extent consistent with the efficient performance of their contracts.
- Contractors must further agree to cooperate in any studies or surveys as may be conducted by the U.S. Small Business Administration (SBA) or the awarding agency of the United States, as may be necessary to determine the extent of the contractor's compliance with this legal requirement.



*AN OVERVIEW OF  
SMALL BUSINESS,  
SMALL DISADVANTAGED BUSINESS  
AND  
WOMEN-OWNED SMALL BUSINESS  
SUBCONTRACTING PLAN  
REQUIREMENTS*

### III. THE SUBCONTRACTING PLAN

#### WHAT IS A SUBCONTRACTING PLAN?

- A Subcontracting Plan is a document setting forth how a contractor will provide SB, SDB and WOSBs with the maximum practicable opportunity to participate in the performance of a contract.
- Subcontracting Plans are required from all contractors (other than small business concerns), that are awarded Federal contracts exceeding \$500,000 (\$1 million for construction).
- A Subcontracting Plan is a material part of the contract.
- A Subcontracting Plan should be given serious consideration prior to proposal submission in order to provide MPO. A Subcontracting Plan should not be an afterthought.

## **WHAT ARE THE SIX REQUIRED ELEMENTS OF A SUBCONTRACTING PLAN?**

**Each subcontracting plan  
shall/must include:**

1. Goals
2. Plan Administrator and his/her duties
3. Efforts to ensure equitable opportunities
4. Flowdown requirements
5. Assurances to cooperate in studies and submit reports
6. Internal recordkeeping

## Element 1 - GOALS

Separate goals for using small business, small disadvantaged business and women-owned small business concerns as subcontractors.

## **Element 2 - PLAN ADMINISTRATOR AND HIS/HER DUTIES**

The name of an individual employed by the offeror who will administer the offeror's subcontracting program, and a description of the duties of the individual.

### **Element 3 - EFFORTS TO ENSURE EQUITABLE OPPORTUNITIES**

A description of the efforts the offeror will make to ensure that small business, small disadvantaged business and women-owned small business concerns will have an equitable opportunity to compete for subcontracts.

## Element 4 - FLOWDOWN REQUIREMENTS

Assurances that the offeror will include the FAR clause entitled "Utilization of Small, Small Disadvantaged and Women-Owned Small Business Concerns," (See FAR 52.219-8) in all subcontracts that offer further subcontracting opportunities, and that the offeror will require all subcontractors (except small business concerns) that receive subcontracts in excess of \$500,000 (\$1 million for construction) to adopt a plan similar to the plan required by the FAR clause entitled "Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan." (See FAR 52.219-9.)

## **Element 5 - ASSURANCES TO COOPERATE IN STUDIES AND SUBMIT REPORTS**

Assurances that the offeror will (i) cooperate in any studies or surveys as may be required, (ii) submit periodic reports in order to allow the Government to determine the extent of compliance by the offeror with the subcontracting plan, (iii) submit Standard Form (SF) 294, Subcontracting Report for Individual Contracts, and SF 295, Summary Subcontract Report, in accordance with the instructions on the forms, and (iv) ensure that its subcontractors agree to submit Standard Forms 294 and 295.



## **Element 6 - INTERNAL RECORDKEEPING**

A recitation of the types of records the offeror will maintain to demonstrate procedures adopted to comply with the requirements and goals in the plan, including the establishment of source lists; and a description of the offeror's efforts to locate small, small disadvantaged and women-owned small business concerns and to award subcontracts to them.

## **The Goals:**

- Must not be over inflated in order to create a favorable but false impression.
- Must not be under stated in order to easily accomplish goal achievement without providing MPO.  
(Achievement of numerical goals does not necessarily mean compliance with the public law. Likewise, not meeting numerical goals does not necessarily mean non-compliance with the public law.)

### **In General:**

The Subcontracting Plan should include specific, concrete actions that the large business subcontractors will take to create opportunities and to enhance MPO.

The Subcontracting Plan should not consist of non-specific promises and platitudes, i.e. "We're going to do everything possible to do as much as we can to achieve everything in the plan, to the best of our ability," etc.

## WHAT IS MAXIMUM PRACTICABLE OPPORTUNITY (MPO)?

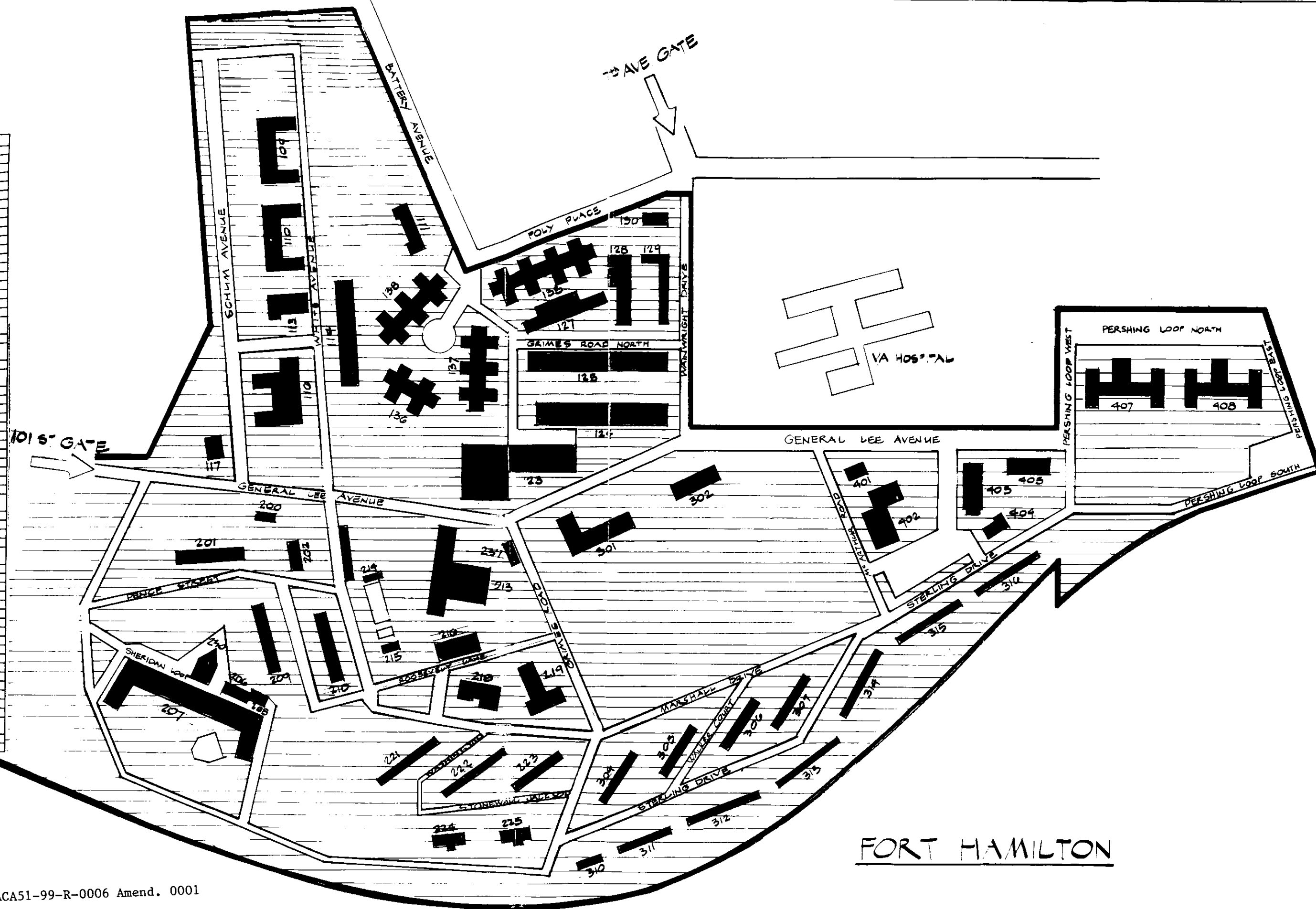
- MPO means that a large business contractor must offer real opportunities, to the maximum extent possible, to SBs, SDBs and WOSBs to participate as subcontractors.
- If maximum opportunities are extended, then subcontracts to SBs, SDBs and WOSBs usually result.
- MPO does not mean that a large business contractor should give away subcontracts to SB/SDB/WOSBs.
- MPO does mean that a large business contractor should extend maximum opportunities to SB/SDB/WOSBs to bid on subcontracts, and, if appropriate, to award subcontracts to SB/SDB/WOSBs.
- Meeting a numerical goal does not, by itself, mean that a large business contractor has provided MPO. Likewise, not meeting a goal does not necessarily mean that a large business contractor has not provided MPO.

# WORK REQUEST (IFS-M)

(For use of this form, see AR 420-17 and DA PAM 420-6; The proponent agency is USACE.)

<b>PART A</b> (See Instructions)	CUSTOMER ID CODE	DOCUMENT SERIAL NUMBER	RY	TYPE	SHORT JOB DESCRIPTION:										DATE															
															DA	MON	YR													
INSTALLATION ABBREVIATION OF FACILITIES		BUILDING / FACILITY NUMBERS																												
		1	2	3	4	5	6	7	8	9	10																			
1																														
2																														
3																														
REMARKS:																														
INSTALLATION NAME				CUSTOMER NAME				POC NAME				POC PHONE NUMBER																		
WORK DESCRIPTION: (Description and justification of work requested)																														
<div style="display: flex; justify-content: space-between;"> <div>AUTHORIZED REQUESTOR: (Type or Print)</div> <div>SIGNATURE</div> </div>																														
<b>PART B</b> (Approving Official Only)	APPROVAL ACTION CODE :				SPECIAL INTEREST CODE:								DATE																	
	WORK REQUEST PRIORITY :				ESTIMATED WORK START DATE:								DA	MON	YR															
	PROGRAM INDICATOR CODE :				ESTIMATED WORK COMPLETION DATE:																									
ENVIRONMENTAL IMPACT YES <input type="checkbox"/> NO <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			ENVIRONMENTAL CONSIDERATION EIS / EIA INITIATED EIS / EIA COMPLETED			WORK TO BE PERFORMED <input type="checkbox"/> IN-HOUSE <input type="checkbox"/> SELF-HELP <input type="checkbox"/> CONTRACT <input type="checkbox"/> TROOP			WORKCLASS APPROVAL AMOUNTS <table border="1"> <tr> <th></th> <th>FUNDED</th> <th>UNFUNDED</th> </tr> <tr> <td><input type="checkbox"/> \$</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> \$</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> \$</td> <td></td> <td></td> </tr> <tr> <td>TOTAL \$</td> <td></td> <td></td> </tr> </table>					FUNDED	UNFUNDED	<input type="checkbox"/> \$			<input type="checkbox"/> \$			<input type="checkbox"/> \$			TOTAL \$			SOURCE OF FUNDS <input type="checkbox"/> DIRECT <input type="checkbox"/> AUTOMATIC REIMBURSEMENT <input type="checkbox"/> FUNDED REIMBURSEMENT		
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(Signature)						(Signature)																								

ACTIVITY	BUILDING#
ADMINISTRATION	200
SE	109
	114 (1 <sup>ST</sup> FLOOR)
	114 (2 <sup>ND</sup> FLOOR)
SERVICES (ACS)	401
	123
	123
ED QUARTERS (BBQ)	210
ON	123
	402 (BASEMENT)
CABLE	402 (REAR)
IT TRAVEL	111 (1 <sup>ST</sup> FLOOR)
	219
NT CENTER (CDC)	218
RESIDENCE (CID)	408 (1 <sup>ST</sup> FLOOR)
	123
IE	124/125/127
	207
Y (DIA)	408 (1 <sup>ST</sup> FLOOR)
BLIC WORKS	129
	301
FORMATION	301
OGISTICS (DOL)	111/114 (BASEMENT)
COMMUNITY AND (DCFA)	111/114 (1 <sup>ST</sup> FLOOR)
	111
DE	408 (2 <sup>ND</sup> FLOOR)
	218
RS (SHOPS)	127/128
PFICE	301 (2 <sup>ND</sup> FLOOR)
MPA	407 (1 <sup>ST</sup> FLOOR)
	237
ATE (SJA)	408 (2 <sup>ND</sup> FLOOR)
HOUSE	110
ADMINISTRATION	301 (2 <sup>ND</sup> FLOOR)
	404
ESSING	114 (2 <sup>ND</sup> FLOOR)
	114
	206
	136
EL	301 (1 <sup>ST</sup> FLOOR)
	230
ESTIGATION	408 (1 <sup>ST</sup> FLOOR)
	407 (1 <sup>ST</sup> FLOOR)
	408 (2 <sup>ND</sup> FLOOR)
VISION (RAD)	301/302/405
ITALION	407 (1 <sup>ST</sup> FLOOR)
	123
S	111 (2 <sup>ND</sup> FLOOR)
	301
	111 (2 <sup>ND</sup> FLOOR)
	111 (2 <sup>ND</sup> FLOOR)
	129
	113
	213/116
	114 (BASEMENT)
NS CENTER	128
	204
	403
OTOR POOL	109 (BASEMENT)
	408 (1 <sup>ST</sup> FLOOR)
	114 (2 <sup>ND</sup> FLOOR)
	125



## DEPARTMENT OF THE ARMY

EASEMENT FOR \_\_\_\_\_

UTILITY SYSTEM

LOCATED ON

\_\_\_\_\_  
(Installation)\_\_\_\_\_  
County, State

THE SECRETARY OF THE ARMY, under and by virtue of the authority vested in the Secretary by Title 10, United States Code, Section \_\_\_\_\_, [use Title 10, United States Code, Section 2668, for substations for electric power transmission lines, pump stations for gas, water and sewer, poles and lines for electric power and communication transmission and distribution; use Title 10, United States Code, Section 2669, for gas, water and sewer pipelines], [for BRAC conveyances include the following " and by the Defense Authorization Amendments and Base Closure and Realignment Act, Public Law 100-526, as amended and the Defense Base Closure and Realignment Act of 1990, Public Law 101-510, as amended], having found that the granting of this easement is not incompatible with the public interest, hereby grants to:

\_\_\_\_\_  
hereinafter referred to as the Grantee, an easement for \_\_\_\_\_

including all right, title and interest in and to all appurtenances located thereon, hereinafter referred to as the facilities, over, across, in and upon lands of the United States as identified in Exhibit(s) \_\_\_\_\_, hereinafter referred to as the premises, and which are attached hereto and made a part hereof.

THIS EASEMENT is granted subject to the following conditions.

( TERM MAY BE PERPETUAL OR INDEFINITE - SHOULD BE NO LESS THAN THE TERM OF THE UTILITY CONTRACT, if any)

1. TERM

This easement is hereby granted for a term of \_\_\_\_\_ years, beginning \_\_\_\_\_, \_\_\_\_\_, and ending \_\_\_\_\_.

2. CONSIDERATION [USE WHEN VALUE IS NOT RESERVED]

The consideration for this easement shall be the transfer of the facilities and the operation and maintenance of these facilities for the benefit of the United States and the general public in accordance with the terms herein set forth.

2. CONSIDERATION [USE WHEN VALUE IS RESERVED]

As consideration for the facilities conveyed herein, the Grantee shall pay the United States the amount of \_\_\_\_\_ ( \_\_\_\_\_ ), the receipt and sufficiency of which is hereby acknowledged. Further, the Grantee shall operate and maintain said facilities located within the easement area for the benefit of the United States and the general public in accordance with the terms herein set forth.

3. NOTICES

All correspondence and notices to be given pursuant to this easement shall be addressed, if to the Grantee, to \_\_\_\_\_ and, if to the United States, to the District Engineer, Attention: Chief, Real Estate Division, \_\_\_\_\_ or as may from time to time otherwise be directed by the parties. Notice shall be deemed to have been duly given if and when enclosed in a properly sealed envelope or wrapper addressed as aforesaid, and deposited, postage prepaid, in a post office regularly maintained by the United States Postal Service.

4. AUTHORIZED REPRESENTATIVES

Except as otherwise specifically provided, any reference herein to "Secretary", "District Engineer", "Installation Commander", or "said officer" shall include their duly authorized representatives. Any reference to "Grantee" shall include assignees, transferees and their duly authorized representatives.

5. SUPERVISION BY THE INSTALLATION COMMANDER

The construction, operation, maintenance, repair or replacement of said facilities, including culverts and other drainage facilities, shall be performed at no cost or expense to



SECTION J: ATTACHMENT B:

the United States and subject to the approval of the Installation Commander, \_\_\_\_\_ (Installation), hereinafter referred to as said officer. Upon the completion of any of the above activities, the Grantee shall immediately restore the premises to the satisfaction of said officer. The use and occupation of the premises for the purposes herein granted shall be subject to such rules and regulations as said officer prescribes in writing from time to time.

6. APPLICABLE LAWS AND REGULATIONS

The Grantee shall comply with all applicable Federal, state, county and municipal laws, ordinances and regulations wherein the premises are located, including, but not limited to, the provisions of the latest edition of the National Electrical Safety Code (NESC) and the Environmental Protection Agency regulations on Polychlorinated Biphenyls (PCB's).

7. CONDITION OF PREMISES

The Grantee acknowledges that it has inspected the premises, knows the condition, and understands that the same is granted without any representation or warranties whatsoever and without any obligation on the part of the United States.

8. INSPECTION AND REPAIRS

The Grantee shall inspect the facilities at reasonable intervals and immediately repair any defects found by such inspection or when required by said officer to repair any such defects.

9. PROTECTION OF GOVERNMENT PROPERTY

The Grantee shall be responsible for any damage that may be caused to the property of the United States by the activities of the Grantee under this easement and shall exercise due diligence in the protection of all property located on the premises against fire or damage from any and all other causes. Any property of the United States damaged or destroyed by the Grantee incident to the exercise of the privileges herein granted shall be promptly repaired or replaced by the Grantee to a condition satisfactory to said officer, or at the election of said officer, reimbursement made therefor by the Grantee in an amount necessary to restore or replace the property to a condition satisfactory to said officer.

10. RIGHT TO ENTER

The right is reserved to the United States, its officers, agents, and employees to enter upon the premises at any time and for any purpose necessary or convenient in connection with government purposes, to make inspections, to remove timber or other material, except property of the Grantee, and/or to make any other

use of the lands as may be necessary in connection with government purposes, and the Grantee shall have no claim for damages on account thereof against the United States or any officer, agent, or employee thereof.

#### 11. TRANSFERS AND ASSIGNMENTS

Without prior written approval by said District Engineer, the Grantee shall neither transfer nor assign this easement or any part thereof nor grant any interest, privilege or license whatsoever in connection with this easement. The provisions and conditions of this easement shall extend to and be binding upon and shall inure to the benefit of the representatives, successors and assigns of the Grantee.

#### 12. INDEMNITY

The United States shall not be responsible for damages to property or injuries to persons which may arise from or be incident to the exercise of the privileges herein granted, or for damages to the property or injuries to the person of the Grantee's officers, agents, or employees or others who may be on the premises at their invitation or the invitation of any one of them, and the Grantee shall hold the United States harmless from any and all such claims not including damages due to the fault or negligence of the United States or its contractors.

#### 13. SUBJECT TO EASEMENTS

This easement is subject to all other existing easements, or those subsequently granted as well as established access routes for roadways and utilities located, or to be located, on the premises, provided that the proposed grant of any new easement or route will be coordinated with the Grantee, and easements will not be granted which will, in the opinion of said officer, interfere with the use of the premises by the Grantee.

(DELETE THE FOLLOWING CONDITION IF NOT APPLICABLE)

#### 14. REQUIRED SERVICES

The Grantee shall furnish through said facilities such services as may be required from time to time for governmental purposes, provided that payment for such service will be made by the United States at rates which shall be mutually agreeable but which shall never exceed the most favorable rates granted by the Grantee for similar service.

#### 15. RELOCATION OF FACILITIES

In the event all or any portion of the premises occupied by the said facilities shall be needed by the United States, or in the event the existence of said facilities is determined to be detrimental to governmental activities, the Grantee shall from time

to time, upon notice to do so, and as often as so notified, remove said facilities to such other location on the premises as may be designated by said officer. In the event said facilities shall not be removed or relocated within ninety (90) days after such notice, the United States may cause such relocation (THE FOLLOWING CLAUSE MAY BE DELETED) (at the sole expense of the Grantee).

#### 16. TERMINATION

This easement may be terminated by the Secretary upon (TERMINATION PERIOD MAY BE 30 DAYS TO 2 YEARS) \_\_\_\_\_ days written notice to the Grantee if the Secretary shall determine that the right-of-way hereby granted interferes with the use (THE FOLLOWING CLAUSE MAY BE DELETED) (or disposal) of said land by the United States, or it may be revoked by the Secretary for failure of the Grantee to comply with any or all of the conditions of this easement, or for non-use for a period of two (2) years, or for abandonment.

#### 17. SOIL AND WATER CONSERVATION

The Grantee shall maintain, in a manner satisfactory to said officer, all soil and water conservation structures that may be in existence upon said premises at the beginning of or that may be constructed by the Grantee during the term of this easement, and the Grantee shall take appropriate measures to prevent or control soil erosion within the right-of-way herein granted. Any soil erosion occurring outside the premises resulting from the activities of the Grantee shall be corrected by the Grantee as directed by said officer.

#### 18. ENVIRONMENTAL PROTECTION

a. Within the limits of their respective legal powers, the parties hereto shall protect the premises against pollution of its air, ground, and water. The Grantee shall promptly comply with any laws, regulations, conditions or instructions affecting the activity hereby authorized if and when issued by the Environmental Protection Agency, or any Federal, state, interstate or local governmental agency having jurisdiction to abate or prevent pollution. The disposal of any toxic or hazardous materials within the premises is strictly prohibited. Such regulations, conditions, or instructions in effect or prescribed by the said Environmental Protection Agency or any Federal, state, interstate or local governmental agency are hereby made a condition of this easement. The Grantee shall not discharge waste or effluent from the premises in such a manner that the discharge will contaminate streams or other bodies of water or otherwise become a public nuisance.

b. The use of any pesticides or herbicides within the premises shall be in conformance with all applicable Federal, state and local laws and regulations. The Grantee must obtain approval in writing from said officer before any pesticides or herbicides

are applied to the premises.

c. The Grantee will use all reasonable means available to protect the environment and natural resources, and where damage nonetheless occurs arising from the Grantee's activities, the Grantee shall be liable to restore the damaged resources.

#### 19. HISTORIC PRESERVATION

The Grantee shall not remove or disturb, or cause or permit to be removed or disturbed, any historical, archeological, architectural or other cultural artifacts, relics, remains or objects of antiquity. In the event such items are discovered on the premises, the Grantee shall immediately notify said officer and protect the site and material from further disturbance until said officer gives clearance to proceed.

#### 20. NON-DISCRIMINATION

The Grantee shall not discriminate against any person or persons because of race, color, age, sex, handicap, national origin, or religion in the conduct of operations on the premises.

#### 21. RESTORATION

On or before the expiration (MAY ADD: without renewal) or termination of this easement, the Grantee shall, without expense to the United States, and within such time as said officer may indicate, remove said facilities and restore the premises to the satisfaction of said officer. In the event the Grantee shall fail to remove said facilities and restore the premises, the United States shall have the option to take over said facilities without compensation, or to remove said facilities and perform the restoration at the expense of the Grantee, and the Grantee shall have no claim for damages against the United States or its officers or agents for such action.

#### 22. DISCLAIMER

This instrument is effective only insofar as the rights of the United States in the property are concerned, and the Grantee shall obtain such permission as may be required on account of any other existing rights. It is understood that the granting of this easement does not eliminate the necessity of obtaining any Department of the Army permit which may be required pursuant to the provisions of Section 10 of the Rivers and Harbors Act of 3 March 1899 (30 Stat. 1151; 33 U.S.C. § 403), Section 404 of the Clean Water Act (33 U.S.C. § 1344) or any other permit or license which may be required by Federal, state or local statute in connection with use of the premises.

#### 23. NON-TRANSFERRABLE RIGHTS

Conditions 5, 8, 9, 10, 12, 14, 15 and 21 are non-transferrable rights of the Grantor. In the event of disposal of the United States' underlying fee, these rights and conditions will not transfer with the land.

THIS EASEMENT is not subject to Title 10, United States Code, Section 2662, as amended.

IN WITNESS WHEREOF, I have hereunto set my hand by authority of the Secretary of the Army, this \_\_\_\_\_ day of \_\_\_\_\_.

THIS EASEMENT is also executed by the Grantee this \_\_\_\_\_ day of \_\_\_\_\_.

(Add Acknowledgments)

Paragraph H.1.2 Delete the following, "The Contractor and the Government will discuss and negotiate the portion of Government pre-payment and the amortization period."

Delete the last sentence of paragraph H-4, which states, "See also Paragraph B.2.6 Alternate Proposals".

Paragraph H.11.5 delete the word "not" between the words "shall" and "be". After the third "Contractor", change the "," to "." and delete the remainder of the paragraph.

Delete verbiage in paragraph H.12. and add the term "Reserved".

After the words "Government's Environmental Protection Department and the Government's Hazardous Waste Manager" in paragraph H-13.5 add the following "(ANFH PWV, Fort Hamilton {718} 630-4485)".

Replace paragraph H 14.2 with "The Contractor is required to comply with all local, state and federal environmental laws and regulations during performance of this contract."

Replace the verbiage in paragraph H.15.2 with the term "Reserved".

Delete paragraph L.5 in its entirety.

In Schedule L-2 Change "PRICING AND COST PROPOSAL WORKSHEET" to "PRICE PROPOSAL WORKSHEET". Substitute "price" for the term "cost" in the remainder of the paragraph.

Paragraph L-10.2.4 Substitute the word "Past" for "Comparable" throughout the paragraph. Additionally, after the last sentence of the paragraph, add the following sentence "Additionally, Large Businesses must include a discussion of their past compliance with FAR Part 19 Subcontracting Plans."

Paragraph L-10.4 After the words "Oral Presentations" in the first line, add the following "(2 hour time limit)".

Paragraph L-10.5 After the sentence "Small business concerns are not required to submit this plan." Add the following "However, small business concerns must submit the information required by paragraph L-10.2.3 [c].) Subcontracting plans submitted under this section will be evaluated in accordance with AFARS 19.7"

In Section J add "ATTACHMENT G – Small Business Subcontracting Plan"

Attachments A (Electric, Natural Gas, potable Water and Wastewater Utility Sanitized System, Inventories); B Sample Easement; C Map of Fort Hamilton. D Fort Hamilton Excavation Permit (Work Request, EHSC Form 4283-1), and G Small Business Subcontracting Plan are included in this amendment.

Replace paragraph L-14 with the following:

"FAR 52.214-7 -- Late Submissions, Modifications, and Withdrawals of Bids (May 1997)

As prescribed in 14.201-6-(c)(3), insert the following provision:

**Late Submissions, Modifications, and Withdrawals of Bids (May 1997)**

(a) Any bid received at the office designated in the solicitation after the exact time specified for receipt will not be considered unless it is received before award is made and it --

(1) Was sent by registered or certified mail not later than the fifth calendar day before the date specified for receipt of bids (e.g., a bid submitted in response to a solicitation requiring receipt of bids by the 20th of the month must have been mailed by the 15th);

(2) Was sent by mail (or telegram or facsimile, if authorized) or hand-carried (including delivery by a commercial carrier) if it is determined by the Government that the late receipt was due primarily to Government mishandling after receipt at the Government installation;

(3) Was sent by U.S. Postal Service Express Mail Next Day Service-Post Office To Addressee, not later than 5:00 p.m. at the place of mailing two working days prior to the date specified for receipt of bids. The term "working days" excludes weekends and U.S. Federal holidays; or

(4) Was transmitted through an electronic commerce method authorized by the solicitation and was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of bids.

(b) Any modification or withdrawal of a bid is subject to the same conditions as in paragraph (a) of this provision.

(c) The only acceptable evidence to establish the date of mailing of a late bid, modification, or withdrawal sent either by registered or certified mail is the U.S. or Canadian Postal Service postmark both on the envelope or wrapper and on the original receipt from the U.S. or Canadian Postal Service. Both postmarks must show a legible date or the bid, modification, or withdrawal shall be processed as if mailed late.

"Postmark" means a printed, stamped, or otherwise placed impression (exclusive of a postage meter machine impression) that is readily identifiable without further action as having been supplied and affixed by employees of the U.S. or Canadian Postal Service on the date of mailing. Therefore, bidders should request the postal clerk to place a legible hand cancellation bull's-eye postmark on both the receipt and the envelope or wrapper.

(d) The only acceptable evidence to establish the time of receipt at the Government installation is the time/date stamp of that installation on the bid wrapper or other documentary evidence of receipt maintained by the installation.

(e) The only acceptable evidence to establish the date of mailing of a late bid, modification, or withdrawal sent by U.S. Postal Service Express Mail Next Day Service-Post Office to Addressee is the date entered by the post office receiving clerk on the "Express Mail Next Day Service-Post Office to Addressee" label and the postmark on the envelope or wrapper and on the original receipt from the U.S. Postal Service. "Postmark" has the same meaning as defined in paragraph (c) of this provision, excluding postmarks of the Canadian Postal Service. Therefore, bidders should request the postal clerk to

place a legible hand cancellation bull's-eye postmark on both the receipt and the envelope or wrapper.

(f) Notwithstanding paragraph (a) of this provision, a late modification of an otherwise successful bid that makes its terms more favorable to the Government will be considered at any time it is received and may be accepted.

(g) Bids may be withdrawn by written notice or telegram (including mailgram) received at any time before the exact time set for receipt of bids. If the solicitation authorizes facsimile bids, bids may be withdrawn via facsimile received at any time before the exact time set for receipt of bids, subject to the conditions specified in the provision entitled "Facsimile Bids." A bid may be withdrawn in person by a bidder or its authorized representative if, before the exact time set for receipt of bids, the identity of the person requesting withdrawal is established and the person signs a receipt for the bid.

(h) If an emergency or unanticipated event interrupts normal Government processes so as to cause postponement of the scheduled bid opening, and urgent Government requirements preclude amendment of the solicitation or other notice of an extension of the opening date, the time specified for receipt of bids will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.

**(End of Provision)**

Delete paragraphs L-15, L-16, and L-18.

Replace the first sentence of paragraph M.2.2 with the following, "All the evaluation factors, when combined, are significantly more important than price. Although price will not be scored, it will be a major consideration in the award selection."



SMALL, SMALL DISADVANTAGED, AND WOMEN-OWNED SMALL BUSINESS

MODEL SUBCONTRACTING PLAN OUTLINE \*

Identification Data

Contractor: \_\_\_\_\_

Address: \_\_\_\_\_

Solicitation or Contract Number: \_\_\_\_\_

Item/Service: \_\_\_\_\_

Total Amount of Contract (Including Options) \$ \_\_\_\_\_

Period of Contract Performance (Day, MO. & YR.) \_\_\_\_\_

- \* Federal Acquisition Regulation (FAR), paragraph 19.708(b) prescribes the use of the clause at FAR 52.219-9 entitled "Small, Small Disadvantaged, and Women-Owned Small Business Subcontracting Plan." The following is a suggested model for use when formulating such subcontracting plan. While this model plan has been designed to be consistent with FAR 52.219-9, other formats of a subcontracting plan may be acceptable. However, failure to include the essential information as exemplified in this model may be cause for either a delay in acceptance or the rejection of a bid or offer where the clause is applicable. Further, the use of this model is not intended to waive other requirements that may be applicable under FAR 52.219-9. "SUBCONTRACT," as used in this clause, means any agreement (other than one involving an employer-employee relationship) entered into by a Federal Government prime contractor or subcontractor calling for supplies or services required for performance of the contract or subcontract.

1. Type of Plan (check One)

\_\_\_\_\_ Individual Plan (All elements developed specifically for this contract and applicable for the full term of this contract).

\_\_\_\_\_ Master Plan (Goals developed for this contract; all other elements standard; must be renewed every year).

\_\_\_\_\_ Commercial Products Plan (Contractor sells large quantities of off-the-shelf commodities to many Government agencies. Plans/goals negotiated by a lead agency on a company-wide basis rather than for individual contracts. Plan effective only during the year for which it is approved. The contractor must provide a copy of the lead agency approval).

2. Goals

State separate dollar and percentage goals for small business, small disadvantaged business, and women-owned small business in the following format. (For a contract with options, provide a separate statement for the basic contract and individual statements for each option year.)

- A. Total estimated dollar value and percent of planned subcontracting with small businesses (include small disadvantaged and women-owned small businesses) (% of "C"): \$\_\_\_\_\_ and \_\_\_\_\_%
- B. Total estimated dollar value and percent of planned subcontracting with large businesses (all business concerns classified as "other than small") (% of "C"): \$\_\_\_\_\_ and \_\_\_\_\_%
- C. Total estimated dollar value of all planned subcontracting; i.e., the sum of A and B above: \$\_\_\_\_\_ (100 percent).
- D. Total estimated dollar value and percent of planned subcontracting with small disadvantaged businesses (% of "C"): \$\_\_\_\_\_ and \_\_\_\_\_%
- E. Total estimated dollar value and percent of planned subcontracting with women-owned small businesses (% of "C"): \$\_\_\_\_\_ and \_\_\_\_\_%
- F. Total estimated dollar value and percent of planned subcontracting with small businesses (Do not include "D" &

"E" above).

(% of "C": \$ \_\_\_\_\_ and \_\_\_\_\_ %

- G. Provide a description of all the products and/or services to be subcontracted under this contract, and indicate the types of businesses supplying them: i.e., OTHER THAN SMALL BUSINESS (OTHER), SMALL BUSINESS (SB), SMALL DISADVANTAGED BUSINESS (SDB), and WOMEN-OWNED SMALL BUSINESS (WOSB):

(check all that apply)

<u>Subcontracted Product/Service</u>	<u>OTHER</u>	<u>SB</u>	<u>SDB</u>	<u>WOSB</u>

(Attach additional sheets if necessary.)

- H. A description of the method used to develop the subcontracting goals for small, small disadvantaged, and women-owned small business concerns: i.e., explain the method and state the quantitative basis (in dollars) used to establish the percentage goals; how the areas to be subcontracted to small, small disadvantaged, and women-owned small business concerns were determined; and how the capabilities of small, small disadvantaged, and women-owned small businesses were determined. Include any source lists used in the determination process.

I. Indirect costs have \_\_\_\_\_ have not \_\_\_\_\_ been included in the dollar and percentage subcontracting goals stated above. (Check one.)

J. If indirect costs have been included, explain the method used to determine the proportionate share of such costs to be allocated as subcontracts to small, small disadvantaged, and women-owned small business concerns.

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3. Program Administrator

Name, title, position within the corporate structure, and duties and responsibilities of the employee who will administer the contractor's subcontracting program.

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Duties: Has general overall responsibility for the contractor's subcontracting program, i.e. developing, preparing, and executing individual subcontracting plans and monitoring performance relative to the requirements of this particular plan. These duties include, but are not limited to, the following activities:

A. Developing and promoting company-wide policy initiatives that demonstrate the company's support for awarding contracts and subcontracts to small, small disadvantaged, and women-owned small business concerns; and assure that small, small disadvantaged, and women-owned small businesses are included on the source lists for solicitations for products and services they are capable of providing;

B. Developing and maintaining bidder's lists of small, small

- disadvantaged, and women-owned small business concerns from all possible sources;
- C. Ensuring periodic rotation of potential subcontractors on bidder's lists;
  - D. Ensuring that procurement "packages" are designed to permit the maximum possible participation of small, small disadvantaged, and women-owned small businesses;
  - E. Make arrangements for the utilization of various sources for the identification of small, small disadvantaged, and women-owned small businesses such as the SBA's Procurement Automated Source System (PASS), the National Minority Purchasing Council Vendor Information Service, the Office of Minority Business Data Center in the Department of Commerce, and the facilities of local small business and minority associations, and contact with Federal agencies' Small and Disadvantaged Business Utilization Specialists (SADBUS);
  - F. Overseeing the establishment and maintenance of contract and subcontract award records;
  - G. Attending or arranging for the attendance of company counselors at Business Opportunity Workshops, Minority Business Enterprise Seminars, Trade Fairs, Procurement Conferences, etc.;
  - H. Ensure small, small disadvantaged, and women-owned small business concerns are made aware of subcontracting opportunities and how to prepare responsive bids to the company;
  - I. Conducting or arranging for the conduct of training for purchasing personnel regarding the intent and impact of Section 8(d) of the Small Business Act on purchasing procedures;
  - J. Monitoring the company's performance and making any adjustments necessary to achieve the subcontract plan goals;
  - K. Preparing, and submitting timely, required subcontract reports;
  - L. Coordinating the company's activities during the conduct of compliance reviews by Federal agencies;
  - M. Providing technical assistance; e.g., engineering, quality control, and managerial assistance to small, small disadvantaged, and women-owned small business;

N. For contractors of the Department of Defense, NASA, and the U.S. Coast Guard: Ensuring that Historically Black Colleges and Universities (HBCUs) and Minority Institutions (MIs) shall be afforded maximum practicable opportunity;

O. Other duties \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Equitable Opportunity

Describe efforts the offeror will make to ensure that small, small disadvantaged, and women-owned small business concerns will have an equitable opportunity to compete for subcontracts. These efforts include, but are not limited to, the following activities:

A. Outreach efforts to obtain sources:

1. Contacting minority and small business trade associations;
2. Contacting business development organizations;
3. Attending small and minority business procurement conferences and trade fairs;
4. Requesting sources from the Small Business Administration's Procurement Automated Source System (PASS); and
5. Utilizing newspaper and magazine ads to encourage new sources.

B. Internal efforts to guide and encourage purchasing personnel:

1. Presenting workshops, seminars, and training program;

2. Establishing, maintaining, and using small, small disadvantaged, and women-owned small business source lists, guides, and other data for soliciting subcontracts; and
3. Monitoring activities to evaluate compliance with the subcontracting plan.

C. Additional efforts: \_\_\_\_\_

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5. Flow-Down clause

The contractor agrees to include the provisions under FAR 52.219-8, "Utilization of Small, Small Disadvantaged, and Women-Owned Small Business Concerns," in all subcontracts that offer further subcontracting opportunities. All subcontractors, except small business concerns, that receive subcontracts in excess of \$500,000 (\$1,000,000 for construction) must adopt and comply with a plan similar to the plan required by FAR 52.219-9, "Small, Small Disadvantaged, and Women-Owned Small Business Subcontracting Plan" (FAR 19.704 (a) (4)).

6. Reporting and Cooperation

The contractor gives assurance of (1) cooperation in any studies or surveys that may be required; (2) submission of periodic reports which show compliance with the subcontracting plan; (3) submission of Standard Form (SF) 294, "Subcontracting Report for Individual Contracts," and SF-295, "Summary Subcontract Report," in accordance with the instructions on the forms; and (4) ensuring that large business subcontractors with subcontracting plans agree to submit Standard Forms 294 and 295.

<u>Reporting Period</u>	<u>Report Due</u>	<u>Due Date</u>
Oct 1 - March 31	SF-294	04/30
Apr 1 - Sept 30	SF-294	10/30
Oct 1 - Sept 30	SF-295*	10/30*

- \* Beginning in fiscal year 1996, contractors of the Department of Defense will be required to submit the SF 295 semi-annually, except that contractors with Commercial Plans and contractors in the DOD Test Program for Negotiation of Comprehensive Subcontracting Plans may continue to submit the SF-295 annually. All contractors of civilian agencies will be required to submit the SF 295 annually as shown in this chart.

#### ADDRESSES

- (a) SF-294 to be submitted to the cognizant contracting officer or as otherwise specified in the contract; and
- (b) SF-295 to be submitted to the Office of Small and Disadvantaged Business Utilization of the procuring agency, or as otherwise specified in the contract, and to the cognizant SBA Commercial Market Representative.

#### 7. Recordkeeping

The following is a recitation of the types of records the contractor will maintain to demonstrate the procedures adopted to comply with the requirements and goals in the subcontracting plan. These records will include, but not be limited to, the following:

- A. If the prime contractor is not using PASS as its source for small, small disadvantaged, and women-owned small business concerns, list the names of guides and other data identifying such vendors;
- B. Organizations contacted in an attempt to locate small, small disadvantaged, and women-owned small business sources;
- C. On a contract-by-contract basis, records on each subcontract solicitation resulting in an award of more than \$100,000 indicating (1) whether small business concerns were solicited, and if not, why not; (2) whether small disadvantaged business concerns were solicited, and if not, why not; (3) whether women-owned small business concerns were solicited, and if not, why not; and (4) if applicable, the reason that the award was not made to a small business concern;
- D. Records to support other outreach efforts, e.g., contacts with minority and small business trade associations, attendance at small and minority business procurement conferences and trade fairs;



E. Records to support internal guidance and encouragement provided to buyers through (1) workshops, seminars, training programs, incentive awards; and (2) monitoring of activities to evaluate compliance; and

F. On a contract-by-contract basis, records to support subcontract award data including the name, address, and business size of each subcontractor. (This item is not required on a contract-by-contract basis for company or division-wide commercial plans.)

G. Additional records: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

This subcontracting plan was submitted by:

Signature: \_\_\_\_\_

Typed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date Prepared: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Approval:

Agency: \_\_\_\_\_

Signature: \_\_\_\_\_

Typed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date Approved: \_\_\_\_\_

Phone No.: \_\_\_\_\_

[END OF OUTLINE]

## SOLICITATION, OFFER AND AWARD

1. THIS CONTRACT IS A RATED ORDER  
UNDER DPAS (15 CFR 700)

RATING

PAGE OF PAGES

1 125

CONTRACT NO.	3. SOLICITATION NO. DACAS1-99-R-0006	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	5. DATE ISSUED 1/22/99	6. REQUISITION/PURCHASE NO. W16RCE-0323-0698
SUED BY CONTRACTING - CONTRACTS BRANCH 26 FEDERAL PLAZA ROOM 1843 NEW YORK, NY 10278		CODE e3p0500	8. ADDRESS OFFER TO (If other than Item 7)	

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

## SOLICITATION

9. Sealed offers in original and 7 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in U.S. Army Corps of Engineers until 1200 local time 03/19/99 (Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section I, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME Ina Ohrwassel	B. TELEPHONE NO. (NO COLLECT CALLS) C06 (212) 264-0154	C. E-MAIL ADDRESS

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	C	DESCRIPTION/SPECS./WORK STATEMENT	19	X	J	LIST OF ATTACHMENTS	18
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## OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within \_\_\_\_\_ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT	10 CALENDAR DAYS	20 CALENDAR DAYS	30 CALENDAR DAYS	CALENDAR DAYS
(See Section I, Clause No. 52-232-8)	%	%	%	%
14. ACKNOWLEDGEMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)
3. TELEPHONE NO. (Include area code)	15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE. ENTER SUCH ADDRESS IN SCHEDULE.		17. SIGNATURE
			18. OFFER DATE

## AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION 21820500000 088011 25C20024PB700000000000 E316 19016	
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c) <input type="checkbox"/> 41 U.S.C. 252(c) <input type="checkbox"/>		23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM
24. AWARD MADE BY (If other than Item 7)	CODE	25. PAYMENT WILL BE MADE BY	CODE
26. NAME OF CONTRACTING OFFICER (Type or Print)		27. UNITED STATES OF AMERICA (Signature of Contracting Officer)	28. AWARD DATE

OPTIONAL - Award will be made on this form, or on Standard Form 28, or by other authorized official written notice.  
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STANDARD FORM 33 (REV. 9-97)  
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## **B.1 SCOPE AND PURPOSE.**

B.1.1 Fort Hamilton ("Installation"), New York, seeks one (1) qualified utility service provider or contractor ("Contractor/Offeror") to own (or replace and own), operate, and maintain the Fort Hamilton electrical, natural gas, potable water and wastewater utility systems to distribute electricity, natural gas, potable water and collect wastewater within the Fort Hamilton installation boundary. The Government will consider proposals from regulated utility service providers and contractors who are not regularly engaged in the business of utility distribution service to the general public. However, selection of the Contractor will be based upon the best value to the Government with experience and demonstrated performance included as significant evaluation factors. Potential Contractors are obligated to ensure adequate and dependable utility service to all facilities and equipment serviced. These services shall be in accordance with the all applicable National Standards, state and federal health, safety, fire and environmental laws/codes and as stated herein for the Fort Hamilton military installation. The Contractor shall own, operate, and maintain each utility in accordance with the New York Public Service Commission (PSC) standards, even if the New York PSC has no jurisdiction within the Fort Hamilton installation. The Contractor shall be responsible for compliance with changed or new state, local and federal laws/regulations at no additional cost to the Government. (See Paragraph C.7 Performance Standards)

Consolidated Edison (ConEd) currently supplies Fort Hamilton with electrical power through a separate and independent contract. Natural gas is currently supplied to Fort Hamilton by Brooklyn Union, a Keyspan Energy Company, through a separate and independent contract. Potable water supply and wastewater treatment is provided by New York City Department of Environmental Protection to Fort Hamilton through a separate and independent contract. This RFP for the privatization of the Fort Hamilton electrical, natural gas, the potable water distribution and wastewater collection systems will in no way affect the current contracts for the provision of commodity services described above.

## **B.2 DEFINITIONS:**

The following items are to be proposed in a Firm Fixed Price, lump sum methodology in Schedule B-1, but detailed justification and rationale will be required to evaluate appropriate responses for technical sufficiency. The Contractor bears the burden of providing sufficient information for Government evaluation.

B.2.1 Annual Initial Upgrade: The Contractor's initial capital investment price, amortized over a desired period at an annual interest rate, for system improvements to comply with utility standards and any other required/requested services (mapping, unique services, etc.), or new utility distribution system design, construction, installation and applicable required tax payments on the upgraded utility components. It is anticipated that the natural gas, potable water and wastewater utility distribution systems will need either major capital repair or complete reconstruction to comply with modern, stringent

Industry Standards. All utility distribution system upgrades or replacements shall be completed by the end of the first year of the contract. (See paragraph C.7. Performance Standards.)

**B.2.2 Annual Distribution Charge:** The total annual service charge for the nominal ownership, operation, and routine maintenance of the Fort Hamilton electrical, natural gas, potable water, and wastewater utility distribution systems. This price component includes routine maintenance, preventive maintenance, new service connection, service removal, all forms of insurance, all administrative, general and labor charges, and non-capital related utility distribution system investments to be made on an annual basis. Additionally, the price component shall include the installation and connection of service meters as directed by the Government. See Paragraph H.21, Service Meters. This price component also includes miscellaneous factors, such as property taxes (if applicable).

**B.2.3 Annual Capital Improvement:** This price component includes any capital related investments for the Fort Hamilton electrical, natural gas, potable water and wastewater utility distribution system upgrades or major distribution system repairs forecasted on an annual basis. Forecasted capital expenditures may be averaged and amortized over the contract period or actual expenditures may be estimated for each given year.

**B.2.4 Annual Purchase Price:** The Contractor's price to purchase the Fort Hamilton utility distribution systems, based upon the Contractor's evaluation of the four (4) utility distribution systems, the systems' conditions, and the systems' fair values. Fort Hamilton does not desire an upfront lump sum cash payment for the fair value of the utility distribution systems. The Purchase Price of the utility distribution systems shall be in the form of an annual credit to the utility distribution bill. The Contractor's purchase price of the Fort Hamilton utility distribution systems shall be amortized over a desired period at an annual interest rate and returned to Fort Hamilton in the form of a credit to the Contractor's utility bill for the services rendered in this contract. The Annual Purchase Price Credit may be a positive, negative, or zero value depending upon the Contractor's evaluation and engineering or economic justification. Any tax liabilities not previously addressed must also be identified and addressed by the Contractor. Contractors should structure their proposals to provide the best life-cycle cost value to the Government.

**B.2.5 Total Annual Price:** The Contractor's total annual price for service for the ownership, operation, and maintenance of the electrical, natural gas, potable water, and wastewater utility distribution systems at Fort Hamilton, New York. The Total Annual Price is the sum of the above described price components.

A hypothetical example Schedule B is located at the back of Section L, Instructions, Conditions, and Notices to Offerors on Table L-2.

SECTION B  
SUPPLIES OR SERVICES AND PRICES/COSTS

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0001	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 1				
0001AA	Initial Upgrade	1.00	1s		
	Year 1				
0001AB	Distribution Charge	1.00	1s		
	Year 1				
AC	Capital Upgrades	1.00	1s		
	Year 1				
0001AD	Purchase Price	1.00	1s		
	Year 1				
	Total Price line 0001				
0002	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
0002AA	Initial Upgrade	1.00	1s		
	Year 1				
0002AB	Distribution Charge				
	Year 1				

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/Y</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0002AC	Capital Upgrades	1.00	1s		
	Year 1				
0002AD	Purchase Price	1.00	1s		
	Year 1				
	Total Price Line 0002				
0003	Privatization of Potable Water Utility System, Fort Hamilton, New York				
0003AA	Initial Upgrade	1.00	1s		
	Year 1				
AA	Distribution Charges	1.00	1s		
	Year 1				
0003AC	Capital Upgrades	1.00	1s		
	Year 1				
0003AD	Purchase Price	1.00	1s		
	Year 1				
	Total Price Line 0003				
0004	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 1				
0004AA	Initial Upgrade	1.00	1s		
	Year 1				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0004AB	Distribution Charge	1.00	1s		
	Year 1				
0004AC	Capital Upgrade	1.00	1s		
	Year 1				
0004AD	Purchase Price	1.00	1s		
	Year 1				
	Total Price Line 0004				
0005	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 2				
0005AA	Initial Upgrade	1.00	1s		
	Year 2				
0005AB	Distribution Charge	1.00	1s		
	Year 2				
0005AC	Capital Upgrades	1.00	1s		
	Year 2				
0005AD	Purchase Price	1.00	1s		
	Year 2				
	Total Price Line 0005				

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0006	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 2				
0006AA	Initial Upgrade	1.00	1s	_____	_____
	Year 2				
0006AB	Distribution Charge	1.00	1s	_____	_____
	Year 2				
0006AC	Capital Upgrades	1.00	1s	_____	_____
	Year 2				
0006AD	Purchase Price	1.00	1s	_____	_____
	Year 2				
	Total Price Line 0006				_____
0007	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 2				
0007AA	Initial Upgrade	1.00	1s	_____	_____
	Year 2				
0007AB	Distribution Charges	1.00	1s	_____	_____
	Year 2				
00	Capital Upgrades	1.00	1s	_____	_____



<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0007AC	(Continued)				
	Year 2				
0007AD	Purchase Price	1.00	1s		
	Year 2				
	Total Price Line 0007				
0008	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 2				
0008AA	Initial Upgrade	1.00	1s		
	Year 2				
0008AB	Distribution Charge	1.00	1s		
	Year 2				
0008AC	Capital Upgrade	1.00	1s		
	Year 2				
0008AD	Purchase Price	1.00	1s		
	Year 2				
	Total Price Line 0008				
0009	Privatization of Electric Utility System Fort Hamilton, NY				
	Year 3				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0009AA	Initial Upgrade	1.00	1s		
	Year 3				
0009AB	Distribution Charge	1.00	1s		
	Year 3				
0009AC	Capital Upgrades	1.00	1s		
	Year 3				
0009AD	Purchase Price	1.00	1s		
	Year 3				
	Total Price Line 0009				
	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 3				
0010AA	Initial Upgrade	1.00	1s		
	Year 3				
0010AB	Distribution Charge				
	Year 3				
0010AC	Capital Upgrades	1.00	1s		
	Year 3				
0010AD	Purchase Price	1.00	1s		

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0010AD	(Continued)				
	Year 3				
	Total Price Line 0010				
0011	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 3				
0011AA	Initial Upgrade	1.00	EA		
	Year 3				
0011AB	Distribution Charges	1.00	EA		
	Year 3				
0011AC	Capital Upgrades	1.00	EA		
	Year 3				
0011AD	Purchase Price	1.00	ls		
	Year 3				
	Total Price Line 0011				
0012	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 3				
0012AA	Initial Upgrade	1.00	ls		
	Year 3				
0012AB	Distribution Charge	1.00	EA		

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0012AB	(Continued)				
	Year 3				
0012AC	Capital Upgrade	1.00	1s		
	Year 3				
0012AD	Purchase Price	1.00	1s		
	Year 3				
	Total Price Line 0012				
0013	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 4				
0013AA	Initial Upgrade	1.00	1s		
	Year 4				
0013AB	Distribution Charge				
	Year 4				
0013AC	Capital Upgrades	1.00	1s		
	Year 4				
0013AD	Purchase Price	1.00	1s		
	Year 4				
	Total Price Line 0013				
0014	Privatization of Natural Gas Utility				

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0014	(Continued) System, Fort Hamilton, New York  Year 4				
0014AA	Initial Upgrade  Year 4	1.00	EA	_____	_____
0014AB	Distribution Charges  Year 4	1.00	EA	_____	_____
AC	Capital Upgrades  Year 4	1.00	EA	_____	_____
0014AD	Purchase Price  Year 4 Total Price Line 0014	1.00	ls	_____	_____
0015	Privatization of Potable Water, Utility System, Fort Hamilton, New York  Year 4				
0015AA	Initial Upgrade  Year 4	1.00	ls	_____	_____
0015AB	Distribution Charge  Year 4	1.00	EA	_____	_____

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0017AA	(Continued)				
	Year 5				
0017AB	Distribution Charge				
	Year 5				
0017AC	Capital Upgrades	1.00	1s		
	Year 5				
0017AD	Purchase Price	1.00	1s		
	Year 5				
	Total Price Line 0017				
0018	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 5				
0018AA	Initial Upgrade	1.00	EA		
	Year 5				
0018AB	Distribution Charges	1.00	EA		
	Year 5				
0018AC	Capital Upgrades	1.00	EA		
	Year 5				
0018	Purchase Price	1.00	1s		

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0015AC	Capital Upgrade	1.00	1s		
	Year 4				
0015AD	Purchase Price	1.00	1s		
	Year 4				
	Total Price Line 0015				
0016	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 4				
0016AA	Initial Upgrade	1.00	1s		
	Year 4				
0016AB	Distribution Charge	1.00	1s		
	Year 4				
0016AC	Capital Upgrade	1.00	1s		
	Year 4				
0016AD	Purchase Price	1.00	1s		
	Year 4				
	Total Price Line 0016				
0017	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 5				
AA	Initial Upgrade	1.00	1s		

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0018AD (Continued)					
	Year 5				
	Total Price Line 0018				
0019	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 5				
0019AA	Initial Upgrade	1.00	ls		
	Year 5				
0019AB	Distribution Charge	1.00	EA		
	Year 5				
0019AC	Capital Upgrade	1.00	ls		
	Year 5				
0019AD	Purchase Price	1.00	ls		
	Year 5				
	Total Price Line 0019				
0020	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 5				
0020AA	Initial Upgrade	1.00	ls		
	Year 5				



ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0020AB	Distribution Charge	1.00	1s		
	Year 5				
0020AC	Capital Upgrade	1.00	1s		
	Year 5				
0020AD	Purchase Price	1.00	1s		
	Year 5				
	Total Price Line 0020				
0021	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 6				
0021AA	Initial Upgrade	1.00	1s		
	Year 6				
0021AB	Distribution Charge				
	Year 6				
0021AC	Capital Upgrades	1.00	1s		
	Year 6				
0021AD	Purchase Price	1.00	1s		
	Year 6				
	Total Price Line 0021				
	Privatization of Natural Gas Utility System, Fort Hamilton, New York				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0022	(Continued)				
	Year 6				
0022AA	Initial Upgrade	1.00	EA		
	Year 6				
0022AB	Distribution Charges	1.00	EA		
	Year 6				
0022AC	Capital Upgrades	1.00	EA		
	Year 6				
0022AD	Purchase Price	1.00	ls		
	Year 6				
	Total Price Line 0022				
0023	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 6				
0023AA	Initial Upgrade	1.00	ls		
	Year 6				
0023AB	Distribution Charge	1.00	EA		
	Year 6				
0023AC	Capital Upgrade	1.00	ls		

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0023AC (Continued)					
	Year 6				
0023AD	Purchase Price	1.00	1s		
	Year 6				
	Total Price Line 0023				
0024	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 6				
24AA	Initial Upgrade	1.00	1s		
	Year 6				
0024AB	Distribution Charge	1.00	1s		
	Year 6				
0024AC	Capital Upgrade	1.00	1s		
	Year 6				
0024AD	Purchase Price	1.00	1s		
	Year 6				
	Total Price Line 0024				
0025	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 7				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0025AA	Initial Upgrade	1.00	1s		
	Year 7				
0025AB	Distribution Charge				
	Year 7				
0025AC	Capital Upgrades	1.00	1s		
	Year 7				
0025AD	Purchase Price	1.00	1s		
	Year 7				
	Total Price Line 0025				
0026	Privatisation of Natural Gas Utility System, Fort Hamilton, New York				
	Year 7				
0026AA	Initial Upgrade	1.00	1s		
	Year 7				
0026AB	Distribution Charge				
	Year 7				
0026AC	Capital Upgrades	1.00	1s		
	Year 7				
0	D Purchase Price	1.00	1s		

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0026AD (Continued)					
	Year 7				
	Total Price Line 0026				
0027	Privatization of Potable Water Utility System, Fort Hamilton, New York				
	Year 7				
0027AA	Initial Upgrade	1.00	EA		
	Year 7				
0027AB	Distribution Charges	1.00	EA		
	Year 7				
0027AC	Capital Upgrades	1.00	EA		
	Year 7				
0027AD	Purchase Price	1.00	1s		
	Year 7				
	Total Price Line 0027				
0028	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 7				
0028AA	Initial Upgrade	1.00	1s		
	Year 7				
0028AB	Distribution Charge	1.00	EA		

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0028AB	(Continued)				
	Year 7				
0028AC	Capital Upgrade	1.00	1s		
	Year 7				
0028AD	Purchase Price	1.00	1s		
	Year 7				
	Total Price Line 0028				
0029	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 8				
0029AA	Initial Upgrade	1.00	1s		
	Year 8				
0029AB	Distribution Charge	1.00	1s		
	Year 8				
0029AC	Capital Upgrade	1.00	1s		
	Year 8				
0029AD	Purchase Price	1.00	1s		
	Year 8				
	Total Price Line 0029				
0030	Privatization of Natural Gas Utility				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0030	(Continued) System, Fort Hamilton, New York  Year 8				
0030AA	Initial Upgrade  Year 8	1.00	1s		
0030AB	Distribution Charge  Year 8				
0AC	Capital Upgrades  Year 8	1.00	1s		
0030AD	Purchase Price  Year 8 Total Price Line 0030	1.00	1s		
0031	Privatization of Potable Water Utility System, Fort Hamilton, New York  Year 8				
0031AA	Initial Upgrade  Year 8	1.00	1s		
0031AB	Distribution Charge  Year 8				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0031AC	Capital Upgrades	1.00	1s		
	Year 8				
0031AD	Purchase Price	1.00	1s		
	Year 8				
	Total Price Line 0031				
0032	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 8				
0032AA	Initial Upgrade	1.00	EA		
	Year 8				
0032AB	Distribution Charges	1.00	EA		
	Year 8				
0032AC	Capital Upgrades	1.00	EA		
	Year 8				
0032AD	Purchase Price	1.00	1s		
	Year 8				
	Total Price Line 0032				
0033	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 9				
0033AA	Initial Upgrade	1.00	1s		



ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0033AA	(Continued)				
	Year 9				
0033AB	Distribution Charge	1.00	EA		
	Year 9				
0033AC	Capital Upgrade	1.00	1s		
	Year 9				
0033AD	Purchase Price	1.00	1s		
	Year 9				
	Total Price Line 0033				
0034	Privatization of Natural Gas Utility System, Fort Hamilton, New York				
	Year 9				
0034AA	Initial Upgrade	1.00	EA		
	Year 9				
0034AB	Distribution Charges	1.00	EA		
	Year 9				
0034AC	Capital Upgrades	1.00	EA		
	Year 9				
0034AD	Purchase Price	1.00	1s		

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0034AD	(Continued)				
	Year 9				
	Total Price Line 0034				
0035	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 9				
0035AA	Initial Upgrade	1.00	ls		
	Year 9				
0035AB	Distribution Charge	1.00	EA		
	Year 9				
0035AC	Capital Upgrade	1.00	ls		
	Year 9				
0035AD	Purchase Price	1.00	ls		
	Year 9				
	Total Price Line 0035				
0036	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 9				
0036AA	Initial Upgrade	1.00	EA		
	Year 9				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0036AB	Distribution Charges	1.00	EA		
	Year 9				
0036AC	Capital Upgrades	1.00	EA		
	Year 9				
0036AD	Purchase Price	1.00	1s		
	Year 9				
	Total Price Line 0036				
0037	Privatization of Electric Utility System, Fort Hamilton, New York				
	Year 10				
0037AA	Initial Upgrade	1.00	1s		
	Year 10				
0037AB	Distribution Charge	1.00	EA		
	Year 10				
0037AC	Capital Upgrade	1.00	1s		
	Year 10				
0037AD	Purchase Price	1.00	1s		
	Year 10				
	Total Price Line 0037				
	Privatization of Natural Gas Utility System, Fort Hamilton, New York				

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
0038	(Continued)				
	Year 10				
0038AA	Initial Upgrade	1.00	EA		
	Year 10				
0038AB	Distribution Charges	1.00	EA		
	Year 10				
0038AC	Capital Upgrades	1.00	EA		
	Year 10				
0038AD	Purchase Price	1.00	1s		
	Year 10				
	Total Price Line 0038				
0039	Privatization of Potable Water, Utility System, Fort Hamilton, New York				
	Year 10				
0039AA	Initial Upgrade	1.00	1s		
	Year 10				
0039AB	Distribution Charge	1.00	EA		
	Year 10				
0	Capital Upgrade	1.00	1s		

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0039AC (Continued)					
	Year 10				
0039AD	Purchase Price	1.00	1s		
	Year 10				
	Total Price Line 0039				
0040	Privatization of Wastewater Utility System, Fort Hamilton, New York				
	Year 10				
0040AA	Initial Upgrade	1.00	EA		
	Year 10				
0040AB	Distribution Charges	1.00	EA		
	Year 10				
0040AC	Capital Upgrades	1.00	EA		
	Year 10				
0040AD	Purchase Price	1.00	1s		
	Year 10				
	Total Price Line 0040				
	Total Contract Price				

End of Section B

## SECTION C.

### C.1 SCOPE AND PURPOSE.

C.1.1 Fort Hamilton ("Installation"), New York, seeks one (1) qualified utility service provider or contractor ("Contractor/Offeror") to own (or replace and own), operate, and maintain the Fort Hamilton electrical, natural gas, potable water and wastewater utility systems to distribute electricity, natural gas, potable water and collect wastewater within the Fort Hamilton installation boundary. The Government will consider proposals from regulated utility service providers and contractors who are not regularly engaged in the business of utility distribution service to the general public. However, selection of the Contractor will be based upon the best value to the Government with experience and demonstrated performance included as significant evaluation factors. Potential Contractors are obligated to ensure adequate and dependable utility service to all facilities and equipment serviced. These services shall be in accordance with the all applicable National Standards, state and federal health, safety, fire and environmental laws/codes and as stated herein for the Fort Hamilton military installation. The Contractor shall own, operate, and maintain each utility in accordance with the New York Public Service Commission (PSC) standards, even if the New York PSC has no jurisdiction within the Fort Hamilton installation. The Contractor shall be responsible for compliance with changed or new state, local and federal laws/regulations. (See Paragraph C.7 Performance Standards)

Consolidated Edison (ConEd) currently supplies Fort Hamilton with electrical power through a separate and independent contract. Natural gas is currently supplied to Fort Hamilton by Brooklyn Union, a Keyspan Energy Company, through a separate and independent contract. Potable water supply and wastewater treatment is provided by New York City Department of Environmental Protection to Fort Hamilton through a separate and independent contract. This RFP for the privatization of the Fort Hamilton electrical, natural gas, the potable water distribution and wastewater collection systems will in no way affect the current contracts for the provision of commodity services described above.

C.1.2 The desired utility distribution service includes but is not limited to the ownership, operation, maintenance, repair and improvement of the Installation's electric, natural gas, potable water distribution and wastewater collection system. The Contractor shall declare and maintain a legally valid right to provide utility distribution service for the Fort Hamilton installation with regard to applicable New York State and federal utility regulatory laws.

## C.2 BACKGROUND.

C.2.1 Privatization Policy. The Chief, Army Power Procurement Directorate, U.S. Army Center for Public Works is supporting the Military District of Washington (MDW) and Fort Hamilton's decision to seek one Contractor to assume ownership of the Installation's electric, natural gas, potable water and wastewater distribution systems. The initiative is referred to as "Privatization of Government-Owned Utility Systems." Privatization is defined as the transfer of ownership, responsibilities, investments, upgrade, plant replacement, continued operation and maintenance of the Army-owned utility systems to the non-Department of Defense sector. The transfer of ownership of Government-owned property is currently subject to Congressional notification and all agreements made pursuant to this notification are subject to final Congressional notification.

### C.2.2 Utility Distribution System Description and Requirements

#### C.2.2.1 Electric Utility Distribution System Description and Requirements

C.2.2.1.1 Current Service Arrangements. Fort Hamilton currently purchases wholesale electric power at 26.4 kV from Consolidated Edison Electric Company (ConEd) at a single primary delivery voltage point near the center of the east boundary of the Installation. This utility distribution system privatization contract will not include the purchase of electricity for Fort Hamilton and will not affect the existing contract for purchase of electricity between Fort Hamilton and ConEd. Fort Hamilton owns and operates an electric utility distribution system consisting of: one 26.4 kV distribution substation, approximately 3.2 circuit miles of overhead primary distribution lines and approximately 1.3 circuit miles of underground primary lines. The electrical distribution system is owned by Fort Hamilton, but has been maintained and repaired by general service contractors since 1986.

C.2.2.1.2 Electrical Distribution System. The Fort Hamilton Main Substation, which supplies the entire compound, consists of one 26.4 kV metal clad switchgear assembly, and four (4) 2,000 kVA, 26.4 - 4.16 kV power transformers. The 26.4 kV switchgear serves as the termination for the four (4) incoming ConEd 26.4 kV feeders and as the primary side protection for the four (4) power transformers. The 4.16 kV switchgear provides secondary side protection for the four (4) power transformers and control/over-current protection for the eight (8) 4.16 kV feeders (with capacity for four (4) future circuits). The majority of the distribution circuits are configured with loop tie switches to neighboring circuits. The distribution system is composed of overhead pole-line construction (which is conventional, wood pole, open wire construction) with pole mounted transformer banks. Most aerial electric feeders are four (4) No. 4/0 bare hard copper wire, containing 2.4-4.16 kV. There is also a small amount of underground primary construction which utilizes duct type construction and pad mounted transformers. The underground primary facilities are generally arranged in a radial-lateral configuration. Most underground electric feeders are 3" to 4" conduit, with four (4) No. 4/0, 3 phase, neoprene insulated, 5 kV cable. There are approximately 149 lamp

posts. A number of areas of the electric distribution system may require replacements, improvements or upgrades to conform with commonly accepted industry standards and practices such as the National Electric Safety Code (NESC).

C.2.2.1.3 Electrical System Requirements. Subject to the terms and conditions hereinafter set forth, the Contractor shall furnish all facilities, labor, materials, tools and equipment necessary to own, maintain and operate, and shall accept full liability for the Fort Hamilton electrical distribution system. The Contractor shall manage the operation, maintenance, repairs, replacement, extension and/or removal of all or portions of the electrical distribution system to ensure adequate and dependable electric service is distributed to each Government or tenant connection within the installation premises. The Contractor shall assume ownership at the point of attachment of the ConEd underground primary power cable to the Ft. Hamilton owned 26.4 kV bus bar inside Facility #132, 26.4 kV Metal Glad Switchgear. See also Paragraph C.7, Performance Standards.

C.2.2.1.4 Transmission Voltage / Demarcation Requirements. Transmission voltage shall be distributed throughout the Installation for transformation to a primary voltage of 4.16 kV. The Contractor shall be responsible for ensuring proper distribution of primary voltage for final transformation to typical operating voltages of 120, 208, 240 V single- and three-phase at 60 Hz for each building or facility served. The Government shall assume responsibility at the service entrance (weatherhead typically) for all aerial services and the line-side lugs on the entrance panel after voltage has been reduced to the building or facility distribution voltage for all underground services for each building or facility served.

#### C.2.2.2 Natural Gas Utility Distribution System Description and Requirements

C.2.2.2.1 Current Service Arrangements. Fort Hamilton currently uses Government-owned facilities to distribute natural gas within the Installation boundaries. The Fort Hamilton natural gas distribution system operates only on the Fort Hamilton installation for services within the Fort Hamilton boundary. The natural gas distribution system is owned by Fort Hamilton, but has been maintained and repaired by general service contractors since 1986. Natural gas is delivered by Keyspan and connects to the Fort Hamilton distribution system at three (3) points. One connection point and 2 master meters are at the intersection of 101<sup>st</sup> Street and Hamilton Parkway. Another connection point and residential meters are near the intersection of Battery Avenue and Poly Place which provides natural gas to the high rise apartments; Buildings 136, 137, and 138. The third connection point and residential meter is along Poly Place and provides natural gas service to Building 135. The natural gas commodity is currently supplied through a Department of Defense (DOD) supply contract and transported to the Fort Hamilton distribution system by BUG/Keyspan. The Government assumes ownership on the low side of each natural gas meter/master meter at the BUG/Keyspan point connection.



C.2.2.2.2 Natural Gas Distribution System. The Fort Hamilton natural gas distribution system consists of, but is not limited to looped mains following the principal roads. The natural gas distribution system consists of approximately 16,140 feet of pipe, 49 distribution valves and 46 building services. The pipe sizes are from less than two (2) inches to eight (8) inches in diameter. The utility site maps indicate a distribution pressure of six (6) to fourteen (14) pounds per square inch. The distribution piping is steel with welded joints, coated and wrapped. The distribution system is protected by a cathodic protection system. The average depth of the natural gas lines is approximately 30 inches. The majority of the distribution system was installed in the 1950s and 1960s.

C.2.2.2.3 Natural Gas System Requirements. Subject to the terms and conditions hereinafter set forth, the Contractor shall furnish all facilities, labor, materials, tools, and equipment necessary to own, maintain and operate, and shall accept full liability for the Fort Hamilton natural gas distribution system. The Contractor shall manage the maintenance, repairs and replacement of the natural gas distribution system to ensure that adequate and dependable natural gas service is distributed to each Government or tenant connection within the service premises. The Contractor shall be responsible for funding all capital investments required to acquire (if applicable), maintain and operate the Fort Hamilton natural gas distribution system in a safe, reliable manner and to meet the requirements listed herein including environmental compliance. The Contractor shall also be responsible for the abandonment and environmental compliance of de-commissioning of the existing natural gas distribution system, if necessary.

If the Contractor assumes ownership of the "Fort Hamilton Side" of each natural gas meter at the system connection points, which are the connections of the Government's system to BUG/Keyspan's upstream distribution and transmission systems, then the Contractor shall be granted easements for the entire Fort Hamilton natural gas distribution system. The Contractor shall assume full liability and responsibility for the distribution system. The Contractor shall operate and maintain the existing Fort Hamilton owned natural gas distribution system during the interim period until the new natural gas distribution system becomes operational.

If the Contractor plans to design, install, and operate a new natural gas distribution system and does not want to assume full ownership and liability of the existing Fort Hamilton natural gas distribution system, then easements for the new natural gas distribution system will be granted at the start of installation. The existing natural gas distribution will be abandoned in place as the new Contractor installed natural gas system becomes operational. The interim period of Government ownership of the natural gas distribution system will not exceed one (1) year.

C.2.2.2.4 Demarcation Requirements. The Government shall assume responsibility from the downstream-side of building service entrance or meter for the natural gas. The Contractor shall assume responsibility from the upstream-side of the building service entrance. Transfer of ownership to the Contractor may be delayed if the

existing natural gas distribution system is abandoned and a new distribution is constructed after contract award by the Contractor. In the event the Contractor will not assume full ownership of the existing Government natural gas distribution system, the Government will retain ownership during the construction of the Contractor owned and installed distribution system. Easements will be granted to the Contractor to install any natural gas distribution system to serve Fort Hamilton customers.

### **C.2.2.3 Potable Water Utility Distribution System Description and Requirements**

C.2.2.3.1 Current Service Arrangements The Fort Hamilton potable water distribution system consists exclusively of a water line distribution system. Fort Hamilton purchases and is delivered treated potable water from the New York City Department of Environmental Protection, Bureau of Water Mains. The water distribution system is owned by Fort Hamilton, but has been maintained and repaired by general service contractors since 1986. Potable water is delivered to Fort Hamilton by the City of New York City at three (3) locations. Double meters are located at delivery pits number one and number three, and a single meter is located at delivery pit number two.

C.2.2.3.2 Potable Water Distribution System The potable water distribution lines from the three delivery points are cast iron except where replacements have been made of ductile iron. There are approximately 31,000 feet of water lines in the distribution system. Water system pressure is approximately 78 pounds per square inch on average but ranges between 55 to 90 pounds per square inch. There are no elevated water storage tanks on the Installation. There are approximately 56 fire hydrants. The potable water distribution system was constructed in the 1950's and late 1960's with limited replacements since. It is estimated that the annual potable water usage at Fort Hamilton is 80.0 million gallons. The daily population on base is approximately 3,750 people.

C.2.2.3.3 Potable Water System Requirements The Fort Hamilton potable water distribution system shall be operated and maintained in accordance with City of New York Building Codes, New York Public Service Commission and other applicable health, safety, environmental and operational laws, regulations or standards. The Utility shall modify its service practices as required when applicable federal, state or local laws, regulations or standards are changed or new ones are placed into effect. The total potable water demand will also include fire protection. The required fire demand at Fort Hamilton is for a single fire four (4) hours in duration, requiring 2,000 gallons per minute in addition to 50% of the peak domestic flow which could occur during an emergency.

C.2.2.3.4 Service Laterals The privatized potable water distribution system shall include service laterals. A service lateral is defined as the smaller-diameter (normally 1 inch or less) lines that connect each building to the upstream distribution mains. The distribution mains are the larger-diameter (normally greater than 1 inch) lines. Service laterals extend to the exterior walls of the building served by the lateral.

#### C.2.2.4 Wastewater Utility Distribution System Description and Requirements

C.2.2.4.1 Current Service Arrangements The Fort Hamilton wastewater utility system consists exclusively of a collection system and a single lift station. The Fort Hamilton installation does not own or operate any sewage treatment facilities. All sewage generated at Fort Hamilton is pumped to the City of New York for treatment at five (5) connection points. Fort Hamilton's wastewater system was originally installed in the 1950's and has been operated, maintained and repaired by a contractor since 1986.

C.2.2.4.2 Wastewater Collection System The Fort Hamilton wastewater system enters New York City's sewage system at five (5) connection points. The majority of the sewage flows to a lift station located west of the old Fort Hamilton between Hamilton Parkway access ramps. The lift station then pumps the sewage to a manhole where it flows by gravity to the New York City sewer system located near the intersection of Hamilton Parkway and 101<sup>st</sup> Street. There is approximately 24,000 feet of vitrified Clay Pipe with diameters from 6" to 30". There are approximately 74 building services and 136 manholes. The single lift station is a duplex station with a wet well/dry well and two (2) - 3400 gallon per minute electric pumps. The lift station does have a dedicated emergency generator to supply emergency power during a power outage. A portion of the Fort Hamilton wastewater system is combined with the storm water system.

C.2.2.4.3 Wastewater Collection System Requirements The Fort Hamilton Wastewater Collection system shall be operated and maintained in accordance with City of New York Building Code, the New York Public Service Commission and other applicable health, safety, environmental and operational laws, regulations or standards. The Contractor shall modify its service practices as required when applicable federal, state or local laws, regulations or standards are changed or new ones are placed into effect.

C.2.2.4.4 Service Laterals The privatized wastewater collection system shall include service laterals. A service lateral is defined as the smaller-diameter (normally 6 inch or less) lines that connect each service building to the wastewater force mains. The collection mains are larger-diameter (normally greater than 12 inch) lines. Service laterals extend to the exterior walls of the building served by the lateral.

### C.3 REQUIREMENT.

Subject to the terms and conditions hereinafter set forth, the Contractor shall furnish all facilities, labor, materials, tools, and equipment necessary to own, maintain and operate the Fort Hamilton electric, natural gas and potable water distribution systems and the wastewater collection system. The Contractor shall manage the operation, maintenance, repairs, replacement, extension and/or removal of all or portions of the electric, natural gas, potable water and wastewater utility systems to ensure that adequate and dependable utility service is provided to each Government or tenant connection within the service premise. The Contractor shall be responsible for funding all capital investments required to acquire, maintain and operate the Fort Hamilton electric, natural gas, potable water and wastewater utility distribution systems in a safe, reliable condition in accordance with the requirements listed herein (see paragraph C.7 Performance Standards). The Contractor shall assume ownership of the Fort Hamilton electric, natural gas, potable water and wastewater utility systems within the service premises including all ownership liability. The transfer of ownership of the Fort Hamilton utility systems will be accomplished through easements to be executed by the U.S. Army Corps of Engineers, New York District, Real Estate Office. A sample utility easement is attached in Section J, List of Attachments.

### C.4 OWNERSHIP AND DISPOSITION OF FACILITIES.

C.4.1 Ownership. It is the intent of the Government to convey all electric, natural gas, potable and wastewater distribution/collection facilities at Fort Hamilton to the Contractor and the Contractor shall assume full ownership and associated liabilities for such facilities. The purchase of electricity, natural gas, potable water and sewage treatment will not be part of this RFP. This RFP and the resulting contract shall not affect the current contractual procurement of these utility commodities. The Contractor shall not sell or transfer ownership or responsibility for operations and maintenance without prior written approval of the Government. The Government's decision to withhold approval shall not be subject to the Disputes provision of this contract contained in Section I, Contract Clauses.

C.4.2 Secondary Meters. Fort Hamilton will continue full ownership of all existing secondary meters. The Government reserves the right to have the Contractor install meters on all buildings served by the distribution system. The cost of such installations will be paid by Fort Hamilton.

C.4.3 Tools and Equipment. Unless otherwise specified, government-owned tools, vehicles and equipment that are not a physical part of the electric, natural gas, potable water or wastewater utility systems and are used by the Government for system operation and maintenance will remain the property of the Government.

C.4.4 Disposition of Removed or Salvaged Materials. The removal and disposition of facilities and materials that are not used and useful for the purpose of providing utility services within the Installation shall be the responsibility of the

Contractor. The net value, if any, of such scrapped or salvaged facilities or material shall be retired and tracked by the Contractor's accounting procedures.

C.4.5 Contractor's Facilities. Unless otherwise provided for in this contract, the Contractor, at its expense, shall furnish, install, operate and maintain all facilities required to furnish the service hereunder. Title to all these facilities shall remain with the Contractor and it shall be responsible for all loss of or damage to these facilities, except that arising out of the fault or negligence of the Government, its agents, or its employees. All taxes and other charges in connection therewith, together with all liability arising out of the negligence of the Contractor from the construction, operation or maintenance of these facilities shall be assumed by the Contractor.

C.4.6 "As Built" Drawings. The Installation will provide "as-built" drawings to the Contractor as available in current condition. The Contractor shall maintain "as built" drawings for all new or renovated facilities installed by the Contractor on the service premises. The Government may inspect and copy such drawings. The Contractor shall provide available drawings to the Government in a format specified by the Fort Hamilton DPW within 30 days from the completion of all utility distribution projects on the Installation.

C.4.7 Disposition Upon Expiration or Termination. Upon expiration or termination of this contract, the Government shall have the option to negotiate a sole source contract with the Contractor or reacquire the facilities as described in Section H. Reacquisition of the utility facilities will be performed only when it is determined to be in the best interest of the Government. This determination may be based upon, but not be limited to, the following: where life-cycle cost analysis based on costs incurred during the term of this contract indicate that it is more cost effective for the Government to own and operate the system after expiration of this contract; poor performance by the Contractor; determination that the Contractor has not dealt fairly with the Government in pricing of services or in installation of additional (excess or unnecessary) distribution/collection facilities in order to make more profit; or failure of the Contractor and the Government to negotiate a new contract. The Contractor's unrecovered investment will be determined as set forth in Paragraph H.9, Termination Liability. See also Termination for Default, Termination for the Convenience of the Government, and Termination Liability, in Section I, Contract Clauses.

C.4.8 Right Of First Offer.

C.4.8.1 The Contractor shall not sell or agree to sell all or any part of the Fort Hamilton Utility Distribution Systems in a single transaction or a series of related transactions without first offering to sell the system(s) to the Government. Prior to the Contractor entering into an agreement for the marketing of any portion of the Utility Distribution Systems in a single transaction or a series of transactions or otherwise selling or agreeing to sell any portion of the Utility Distribution Systems in a single transaction

or a series of related transactions, the Contractor shall offer in writing ("First Offer") to sell all or substantially all of the Utility Distribution Systems to the Government on the same terms and conditions that the Contractor would then be willing to offer to a third party. The First Offer shall, at a minimum, include the following information (See also Paragraph C.20, Change in Capacity Requirements or Character);

- (I) the purchase price;
- (ii) the method of payment of the purchase price;
- (iii) the amount and terms of any potential Contractor financing;
- (iv) the amount of the required earnest money deposit; and
- (v) the time and location for the close of escrow.

C.4.8.2 The Government shall have One Hundred Eighty (180) days from the date of the First Offer or any mutually agreed period to accept the First Offer ("Acceptance Period") by delivering to the Contractor acceptance on or before 5:00 p.m., Eastern Standard Time, on the last day of the Acceptance Period. If the Government fails to accept the First Offer before the Acceptance Period ends, the First Offer shall be deemed rejected.

C.4.8.3 If the Government responds to the First Offer with anything other than an unequivocal, unconditional acceptance or rejection, the Right of First Offer shall terminate and the response shall be deemed an offer to purchase the Utility Distribution Systems on the terms and conditions in the response ("Counter Offer"). The Contractor shall be entitled to accept or reject the Counter Offer at the Contractor's sole discretion, and if the Contractor rejects the Counter Offer, the Contractor shall have no further obligations hereunder except as cited in the following paragraph C.4.8.4.

C.4.8.4 The Contractor shall not negotiate a more advantageous offer with a third party than is offered to the Government. If the Counter Offer proposed by the Government is rejected by the Contractor, and subsequent negotiations are held with a third party by the Contractor that result in a revised offer to purchase by the third party, then the Contractor will begin the process as stated in Paragraph 4.8.1, Right of First Offer.

C.4.8.5 Government's Right of First Offer shall begin with the date that ownership of the Utility Distribution Systems is transferred to the Contractor by the Government and continue until Fort Hamilton ceases to be an active military base ("Term"), unless terminated sooner in accordance with the terms hereof.

C.4.8.6 This right of first offer shall automatically terminate and have no further effect upon the first of the following events to occur:

- (i) The expiration of the Term;
- (ii) Government assigns or attempts to assign Government's rights hereunder;

- (iii) Government rejects a First Offer and the Contractor subsequently consummates a sale of the Utility Distribution Systems to a third party at the same terms of the original First Offer pursuant to the terms hereof;
- (iv) The purchase of the Utility Distribution Systems by the Government.

C.4.8.7 If the Government approves transfer of ownership to a new Contractor, then all terms and conditions of the signed contract will remain in full force and effect.

## C.5 SPECIFIC PREMISES TO BE SERVED.

All facilities that use electricity, natural gas, potable water or which generate wastewater located at Fort Hamilton, NY. See attached map in Section J, List of Attachments.

## C.6 CONTINUITY OF SERVICE, INTERRUPTION / EMERGENCY RESPONSE.

C.6.1 Outage Liability. The Contractor shall use reasonable diligence to provide an uninterrupted supply of electric, natural gas, potable water and wastewater service at each service location, but shall not be liable for damages, breach of contract or otherwise to the Government for failure, suspension or other variations of service occasioned by or in consequence of any cause beyond the control of the Contractor (other than scheduled outages), including acts of God or of the public enemy, fires, floods, earthquakes or other catastrophic failure or breakdown of outside transmission or other facilities. If any failure due to actions of the Contractor, suspension or other variation of service shall aggregate more than four (4) hours for any facility service location during any monthly billing period hereunder, an equitable adjustment shall be made in the monthly billing specified in this contract. The adjustment shall be equal to the installed capacity for each affected facility/service location, multiplied by the aggregate outage time in the month, multiplied by the Government's average commodity charge for a similar facility service or customer served under his existing rates and any other costs as deemed reasonable by the Government. Any failure to reach agreement on time periods and other "reasonable" costs shall be pursuant to Section I, Contract Clauses, I.47, 52.233-1, Disputes (Oct, 1995).

C.6.2 Minor Problems/Service Requests. The Contractor shall respond to Fort Hamilton's requests/problems during normal duty hours and non-duty hours.

C.6.3 Outages (Normal working hours: 8:00 a.m. - 4:30 p.m., Monday through Friday). The Contractor shall respond to a utility distribution service outage and begin to work on the problem within sixty (60) minutes of notification. A utility service outage is defined as loss of electricity, natural gas, potable water to or wastewater from one or more buildings, one or more distribution circuits or mains, or the entire Installation. The Contractor shall have in place a mechanism, a means or procedure by which Fort

Hamilton's DPW personnel can quickly notify the Contractor of the outage. If there is an order of precedence of numbers/Contractor personnel to call, the Contractor shall clearly define that precedence. If the utility service outage is caused due to an upstream distribution fault (outside Fort Hamilton), the Contractor should advise Fort Hamilton's DPW personnel of the Installation's restoration of utility service priority.

C.6.4 Outages (Outside of normal working hours). The Contractor shall be able to respond to a utility distribution service outage and begin to work on the problem within ninety (90) minutes of notification. The Contractor shall have in place a mechanism, a means or a procedure by which Fort Hamilton's DPW personnel can quickly notify the Contractor of the outage. The Contractor shall provide a list of telephone contact numbers to the Fort Hamilton DPW office. If the utility service outage is caused due to an upstream distribution fault (outside Fort Hamilton), the Contractor should advise Fort Hamilton's DPW personnel of the Installation's restoration of utility service priority.

C.6.5 Emergency Outage. An interruption to utility distribution service that creates a potential life, health or safety concern to Fort Hamilton personnel as determined by the Fort Hamilton DPW shall be responded to by the Contractor within forty-five (45) minutes of Contractor notification to initiate assessment of the situation. Examples of emergency situations may include but are not limited to; downed live electric conductors, major natural gas leak, and main wastewater line rupture.

C.6.6 Major Storm Damage and Outage Restoration Priority. The Contractor shall have in place a mechanism, a means or a procedure by which Fort Hamilton's DPW personnel can quickly notify the Contractor of the outage/damage. The Contractor shall have an emergency plan in place for an efficient restoration of utility distribution service. (See H.2.5, Service Restoration Plan) If the storm damage is widespread and affects more than Fort Hamilton, Fort Hamilton's DPW personnel must be advised of the Installation's restoration of utility service priority. The Contractor shall notify Fort Hamilton's DPW personnel of the situation/priority as soon as possible. The proposals for this contract will include a Service Restoration Plan listing of current priority and a plan for integration of Fort Hamilton priority utility service into the Contractor's restoration plan. The Government requires first priority response for service restoration to mission-critical facilities during national emergencies, deployments and alerts. The priority response will take into consideration the Contractor's other critical civilian priorities (life-safety priorities such as hospitals).

## **C.7 PERFORMANCE STANDARDS.**

C.7.1 General Performance Standards. Unless otherwise provided for in this contract, the Contractor shall perform its required services in accordance with its standard construction, operations, maintenance, management, safety and other relevant standards, written or otherwise, that apply to its public utility service customers (if applicable) or general public customers whose service characteristics, either individually or collectively, are comparable to the service characteristics for Fort Hamilton. The Contractor shall



provide the Government a copy of all publically-available and applicable ordinances, rates, standards, operating policies or standard operating procedures, as well as modification thereto as they are made and enacted. The Contractor shall be responsible for compliance when local, state and federal laws/regulations are changed or new ones are placed into effect.

C.7.2 Electric Performance Standards. The Fort Hamilton electric distribution system shall be owned, operated, and maintained in accordance with the National Electric Safety Code (ANSI-C2), National Electric Code (NEC), Army Regulation 420-49, Utility Services, all applicable state, federal, local, safety, fire, and environmental laws or codes, and all City of New York City and State Public Service Commission of New York rules, regulations, standards, and codes (including Order Adopting Changes to Standards on Reliability and Quality of Service dated 26 Feb 1997, or as revised thereafter) whether applicable to the Fort Hamilton jurisdiction or not.

C.7.2.1 New York PSC Standards on Electric Reliability and Quality. As described by the New York PSC Order Adopting Changes to Standards on Reliability and Quality of Service dated 26 Feb 1997, the calculation of the System Average Interruption Frequency Index (SAIFI) and the Consumer Average Interruption Duration Index (CAIDI) shall exclude interruptions caused by the Electric Commodity Supplier, currently ConEd. The calculation of the SAIFI and CAIDI shall be included in the O&M Plan as described in paragraph H.2.3., O&M Plan.

C.7.3 Natural Gas Performance Standards. The Fort Hamilton natural gas distribution system shall be in accordance with the Code of Federal Regulations (CFR), Title 49; Department of Transportation (DOT), Sections 190, 191, 192, and 199; Army Regulation 420-49, Utility Services, state, local, and federal safety, fire and environmental laws/codes, and all New York City and State Public Service Commission of New York rules, regulations, standards and codes whether applicable to the Fort Hamilton jurisdiction or not.

C.7.4 Potable Water Performance Standards. The Fort Hamilton potable water distribution system shall manage the operation, maintenance, repairs, replacement, extension and/or removal of all or portions of the potable water system to ensure that adequate and dependable potable water utility distribution service is provided to each Government or tenant connection within the service premises and to comply with Army Regulation 420-49, Utility Services and all applicable Federal, state and local environmental, health and safety laws and regulations and fire protection, and all New York City and State Public Service Commission of New York rules, regulations, standards and codes (including New York Administrative Code for Public Water Supply Construction, and Water Pollution Control Standards) whether applicable to the Fort Hamilton jurisdiction or not. All environmental permitting issues will be the responsibility of the Contractor.

C.7.5 Wastewater Performance Standards. The Fort Hamilton wastewater distribution system shall be in accordance with Army Regulation 420-49, Utility

Services, and applicable health, safety, environmental, operational laws, regulations or standards and all City of New York and State Public Service Commission of New York rules, regulations, standards, and codes (including New York Administrative Code for Public Water Supply Construction, and Water Pollution Control Standards) whether applicable to the Fort Hamilton jurisdiction or not. All environmental permitting issues will be the responsibility of the Contractor.

## C.8 COORDINATION OF WORK ON INSTALLATION.

C.8.1 Routine Work. Routine work, such as the scheduled replacement or retirement/removal of electric, natural gas, potable water or wastewater utility facilities, shall be coordinated with the Fort Hamilton DPW on a monthly basis to ensure minimal impact to Installation missions and operations. A single point of contact will be provided by each party for coordination, except as noted herein.

C.8.2 Service and Trouble Calls. The Contractor's 24-hour Service Office telephone number will be published on Fort Hamilton. The Government employee responsible for the building or facility experiencing service outages or trouble will call the Contractor's Service Office to report this outage. Restoration of service shall be coordinated with the person responsible for the building or facility. The Contractor shall record service outage calls, documenting time of call, time of service restoration and cause of outage. This information shall be provided to Fort Hamilton on a monthly basis.

C.8.3 Connections/Disconnections. The Contractor shall be responsible for adding additional service points and/or deleting service points that are no longer required at the discretion of the federal Contracting Officer. A single point of contact will be provided by each party for coordination. Any costs of these connections/disconnections are to be incorporated into the Contractor's Annual O&M Plan and included as part of the Annual Distribution Cost.

C.8.4 Temporary Service. The extension of temporary service to contractors performing construction projects for the Government shall be negotiated directly with the Contractor (successful offeror of this RFP), with details provided to Fort Hamilton DPW. The construction contractor should be provided with the Contractors' POC phone number for coordination.

C.8.5 Scheduled Utility Outages. The Contractor shall cooperate with the Government and contractors of the Government to facilitate utility outages and underground utilities location markings to allow construction/repairs on the Installation. Scheduled outages shall be coordinated with the Directorate of Public Works ten working days prior to the scheduled outage. The Government reserves the right to either disapprove a scheduled utility outage or to cancel at any time, before or during, a scheduled utility outage if such outage might adversely affect Government missions and operations. In the event of such disapproval or cancellation, the parties will coordinate a mutually-acceptable alternative time for the scheduled outage.

**C.8.6 Digging Permits and Notifications.** For routine excavations, each party (Government or Contractor) shall provide five working days notice to the other party (Contractor or Government) of intention to dig. Notification shall include the name, address, phone number of person making the request, exact location, extent, nature and duration of the excavation. The requesting party shall mark the proposed excavation location in white no more than 24 hours prior to providing notification and shall meet with the non-requesting party (Government or Contractor) personnel by appointment at the site (if requested) to discuss details. The requesting party will either locate and mark underground facilities and obstructions or request a site meeting within 72 hours of notification. A log of requests will be kept by the notification service using a number of track requests and permits. All parties will record and refer to tracking numbers in correspondence. Digging without notification and permit will be at the risk of the party performing work. The Contractor will be liable for all damages and repairs.. No routine, non-emergency digging or excavation shall be performed on the service premise after 1600 hours on weekdays or anytime on weekends unless prior approval is obtained. A copy of the Fort Hamilton Digging Permit will be attached in Section J, List of Attachments.

#### **C.9 UTILITY SYSTEM INVENTORY.**

An order-of-magnitude Utility System Inventory for the electric, natural gas, potable water and wastewater utility systems is attached in Section J, List of Attachments.

#### **C.10 COMPLIANCE WITH ENVIRONMENTAL AND SAFETY LAWS/CODES.**

The Contractor shall comply with all federal, state and local environmental and safety laws and shall prepare environmental assessments, studies and coordination applicable to federal, state and local agencies required to execute its portion of this contract. This shall include, but not be limited to, all assessments, studies, permitting and coordination required to comply with Federal, state and local laws regarding endangered species, historic/archaeological preservations and hazardous/toxic materials. The Government will perform all assessments necessary to determine and define existing environmental conditions within the easement boundaries granted to the Contractor up to the time that the physical facility/equipment is conveyed to the Contractor. An Environmental Assessment (EA) or Record Of Environmental Consideration (REC) will be performed by the Government prior to issuance of an Easement as part of the Real Estate Transfer performed by the U.S. Army Corps of Engineers, New York District, Real Estate Office. See Sample Easement, in Section J, List of Attachments.

#### **C.11 BILLING METHODOLOGY.**

All services rendered by the Contractor shall be billed on monthly invoices to the Fort Hamilton Directorate of Public Works.

## C.12 METERING AND PAYMENT.

The Contractor's invoice/bill shall contain data to substantiate the billing at the end of each monthly billing period. This shall include all data as may be required by the Contracting Officer. All bills for payment of services rendered shall be paid in accordance with the payment provisions of applicable rate schedules, riders, rules, regulations and terms and conditions approved by the Contracting Officer.

## C.13 EASEMENT AND RIGHT OF WAY.

C.13.1 Contractor Easement. The Government will provide easements and/or right-of-way access to the equipment and/or facilities conveyed to the Contractor. The Contractor shall be responsible for obtaining easement and/or rights of way for access to equipment and/or facilities not conveyed by this contract and for any new or rerouted systems to be covered or to be under this contract. Requests for easements and/or rights of way shall be submitted to the Fort Hamilton Directorate of Public Works for approval. See Sample Easement Document, Section J, List of Attachments.

C.13.2 Tree Trimming. The Contractor shall perform tree trimming and right-of-way maintenance. Any easement and/or right of way that will result in the trimming and/or removal of trees will be contingent upon environmental and historical considerations.

## C.14 ACCESS TO THE INSTALLATION.

C.14.1 Permit or License. The Government will grant the Contractor a revocable permit or license to enter the service premises for any proper purpose under this contract, subject to certain restrictions. This permit or license includes the use of the site or sites agreed upon by the parties for the installation, operation, maintenance and repair of the facilities of the Contractor located upon the service premises.

C.14.2 Routine Access. The Contractor shall be authorized routine access for system operation and maintenance, restoration of service or meter reading.

## C.15 JOINT-USE OF UTILITY POLES.

C.15.1 Government Joint Use Agreement. The Contractor shall prepare and the Government will execute a joint use agreement which allows the Government to utilize pole space at no charge. The Contractor shall submit a proposed joint use agreement which includes provisions for the Installation's telecommunications lines and other Government-owned signal systems.

C.15.2 Commercial Joint Use Agreement. The Contractor shall execute joint-use agreements with each Installation's local telephone service provider and television/cable service company. These agreement shall define: responsibilities of the joint use parties;

space allowances on the pole line for each user; and the charge for replacement of poles (at the user's request). The Contractor shall allow cable television joint use attachments at no charge to Fort Hamilton until after the expiration of the Installation's current contract with the Fort Hamilton cable television provider. After the Fort Hamilton cable television contract expires, the Contractor assumes responsibility to negotiate a new joint-use agreement with the cable television provider.

#### **C.16 JOINT USE OF A UTILITY DUCTBANK.**

The Government reserves the right to utilize existing or replacement ductbank on the service premise without charge where existing supply and/or signal/communication cables are installed with supply cables to be transferred to the Contractor. Such ducts will be identified by the Government as part of its inventory before the transfer of Government-owned assets (after award of the contract).

#### **C.17 SUPPORT SERVICES / UTILITIES.**

The Contractor will be provided office space of approximately 500 s.f. located within the Fort Hamilton installation. Also provided will be 2 vehicle parking spaces. If the Contractor locates utility distribution support facilities in the Government furnished space, the following services and utilities shall be provided and billed to the Contractor at a rates consistent with other non-Army tenants:

- a. Natural Gas
- b. Electricity
- c. Sewage
- d. Potable Water
- e. Refuse Collection
- f. Contractor responsible for telephone connection and payment

#### **C.18 DURATION OF CONTRACT.**

The Contractor agrees to furnish and the Government agrees to purchase electrical, natural gas, potable water utility distribution service and wastewater collection service as set forth in this section for a period of ten (10) years, unless paragraph C.4.7., Disposition Upon Expiration or Termination becomes effective. The Contractor shall have an obligation to provide electric, natural gas, potable water and wastewater utility distribution/collection service to Fort Hamilton notwithstanding the term of this contract. This contract, including all applicable terms and conditions, shall be for a term of 10 years from the date signed by the federal Contracting Officer and shall continue thereafter unless terminated at the option of the government by the provision of written notice not less than 90 days in advance of the effective date of termination.

#### **C.19 SURPLUS MATERIALS.**

Surplus materials which are presently the property of the Government will be inventoried and offered to the Contractor based on the appraised negotiated value of the materials.

## **C.20 CHANGE IN CAPACITY REQUIREMENTS OR CHARACTER.**

Reasonable notice shall be given by the federal Contracting Officer to the Contractor regarding any material changes anticipated in the system capacity or characteristics of the service required at each service location. The Contracting Officer shall provide the Contractor a copy of updates to Fort Hamilton planning documents. FAR Clause 52.241-8, Change in Rates or Terms and Conditions of Service for Unregulated Services, (see Section I, Contract Clauses) also describes procedures to be followed if a change of capacity requirements or character materially change the contract terms or conditions.

## **C.21 DELIVERABLES.**

After the contract award, the Contractor shall develop annual five (5) year Capital Improvement Plans, monthly O&M Reports, quarterly Compliance Reports that provides the Installation with evidence of meeting all Performance Standards (cited in Paragraph C.7, Performance Standards), and annual Service Restoration Plans to indicate how the Contractor will handle outages. See also paragraph H.2, Project Reports.

## **C.22 TECHNICAL CAPABILITY.**

Evidence of technical capability of the Contractor to perform the work outlined in this RFP will be demonstrated through initial submissions of the Capital Improvement Plan, Compliance Report, O&M Plan, and Transition Plan in the proposal package. See Paragraph H.2, Project Reports.

## **C.23 CONTRACTOR PERSONNEL ADMINISTRATION.**

### **C.23.1 Personnel Selection**

C.23.1.1. It is the Contractor's responsibility to select personnel who meet the minimum personnel qualifications stated herein, to supervise techniques used in their work, and to keep them informed of all improvements, changes, and methods of operations.

C.23.1.2 The Contractor shall have the right to replace or transfer his personnel and to substitute other qualified personnel in lieu thereof; provided, however, that such transfers or replacements will not cause a delay in services rendered.

C.23.1.3 The Contractor will ensure that Contractor personnel under this contract are not placed in a position:

1. Where they are appointed or employed by Government personnel or under the supervision, direction, or evaluation of Government personnel, military or civilian.

2. Of staff or policy-decision making.

3. Of command, supervision, administration, or control over Department of the Army military or civilian personnel, or personnel of other contractors, or become a part of the Government organization.

4. For use in administration or supervision of military procurement activities.

5. To establish requisitioning objectives, station stockage lists, or direct supply channels to a manufacturer, or otherwise circumvent established Department of Army supply channels.

C.23.1.4 The utility services performed under this contract do not require the Contractor or his employees to exercise personal judgement and discretion on behalf of the Government, but rather, the Contractor's employees will act and exercise personal judgement and discretion on behalf of the Contractor.

C.23.1.5 Rules, regulations, direction, and requirements issued by command authorities under their responsibility for good order, administration and security apply to all personnel who enter the Installation or who travel by Government transportation. The Contractor will not construe or interpret this to establish any degree of Government control which is inconsistent with a non-utility services contract.

#### C.23.2 Minimum Qualifications.

C.23.2.1. Key management personnel shall include a Project Manager, alternate Project Manager, and Utility Maintenance Manager. Proposed personnel must have experience in managing an effort of similar size and scope requiring similar technical and management skills. Management personnel should have overall experience in the operation and maintenance of a comparable utility activity of the same or similar scope. Resumes for each key person shall be submitted in the proposal.

C.23.2.2. Project Manager and Alternate Project Manager must both have a minimum of seven (7) years experience as a project manager satisfying all requirements stated in the above paragraph (C.23.2.2). Both must be a graduate of an ABET accredited college in engineering or accredited college in business, construction or environmental management.

C.23.2.3. The Utility Manager must have a minimum of seven (7) years experience as an Operations and Maintenance supervisor for a utility distribution/collection system or at least similar size and complexity of Fort Hamilton's.

The Utility Manager must have demonstrated working knowledge of all applicable national standards of at least two (2) of the utility systems at Fort Hamilton.

C.23.2.4. Other personnel may be considered by the Offeror as "Key Personnel" as the result of the Offeror's proposed organization alignment or if the duties and skills of certain individuals are essential to contract performance and their replacements would result in interruption of some essential utility service. Any personnel proposed for supervisor and management positions must have not less than five (5) years experience deemed commensurate with the position proposed.

C.23.2.5. Personnel proposed for the following categories must be certified as stated below;

1. Water Treatment Specialist - Certified by State of New York and/or New York City.

2. High Voltage Lineman - Certified by State of New York and/or New York City.

3. Master Plumber - Certified by the State of New York and/or New York City.

C.23.2.5. Electricians must possess a working knowledge of the U.S. National Electric Safety Code and the ability to read and interpret plans, specifications and drawings. Proposed personnel must have not less than four (4) years experience as a journeyman electrician and a current license from the State of New York and/or New York City.

C.23.2.6. Welders shall have demonstrated through training and/or experience, such as successful completion of an apprentice program, a knowledge of the full range of standard welding processes, including electric arc, oxyacetylene and inert gas shielded processes, and ability to plan layout work from sketches to blueprints. Incumbents shall also demonstrate knowledge of physical properties and welding techniques of various common metals and alloys, and ability to perform welding in flat, vertical and overhead positions while maintaining required tolerances.

C.23.2.7. Plumbers must possess a working knowledge of the New York City Building Code and the ability to read and interpret plans, specifications and drawings. Proposed personnel must have not less than four (4) years experience as a master plumber and must have a current certification from the State of New York and/or New York City.

END OF SECTION C



## SECTION G

### CONTRACT ADMINISTRATION DATA

#### G.1 52.400-4008 CONTRACT MANAGEMENT

Notwithstanding the Contractor's responsibility for total management during the performance of the contract, the administration of the contract will require maximum coordination between the Government points of contact during the performance period.

a. Contract Administration. All contract administration will be effected by the Contracting Officer. Communications pertaining to contractual administration matters will be addressed to the Administrative Contracting Officer listed below. No changes in or deviation from the scope of work shall be effected without a written modification to the contract executed by the Contracting Officer (KO).

Contracting Office, DCMC  
Building 128  
Fort Hamilton  
Brooklyn, New York 11252  
Name: \_\_\_\_\_  
Telephone: \_\_\_\_\_

b. Functional Area Requiring Activity Representatives. Representatives of the DPW will have the responsibility for day-to-day operational interface with the Contractor to ensure mission accomplishment. The DPW will provide the Contractor with taskings in the various phases of utility services presented or performed for the Government within the scope of the contract. The DPW will contact the QAR for assessment of quality of Contractor's performance.

The major requiring activity is:

Directorate of Public Works  
Building 129  
Fort Hamilton Military Community  
Brooklyn, New York 11252  
Telephone: (718) 630-4415, 4056, 4058, 4909

c. **Quality Assurance Representative (QAR).** The Quality Assurance Representative (QAR) is the Supervisor Quality Assurance evaluator and has the primary responsibility for assuring that all utility services presented to or performed for the Government meet all conditions of the contract. He or she monitors the Contractor's quality control program or system and performs or witnesses all necessary inspections. He supervises and directs the activities of all Assigned Quality Assurance Evaluators (QAEs) in the performance of contract surveillance to include inspection and acceptance of services. The QAR is responsible for assisting the Contractor in the interpretation of specifications and coordinates all waivers and deviations with the Administrative Contracting Officer (ACO). The QAR is also responsible for coordination and support of the contract administration office functional elements.

d. **Quality Assurance Evaluator (QAE).** Quality Assurance Evaluator(s) (QAE) will be designated to provide technical assistance to the QAR in all phases of the quality operation. The QAE possesses expertise for the specific purpose of exercising general surveillance over the contract operation and performance evaluation, and for making inspections.

#### **G.2 52.400-4009 ACCESS TO RECORDS, DATA AND FACILITIES**

The Contractor will permit the Defense Contract Audit Agency (DCAA), the U.S. Army Audit Agency (AAA) and the Contracting Officer or any other authorized Government representative access to all records, data and facilities used in the performance of the contemplated utility services. Files will be made available in accordance with the provisions of Paragraph H.5, Accounting Procedures.

#### **G.3 52.400-4010 INVOICE PAYMENT AND REIMBURSEMENT VOUCHERS**

The Contractor shall submit invoices, monthly billing statements and supporting documentation on a monthly basis in an original and three (3) copies to the address inserted in Paragraph G.1.b above. Three (3) additional copies of the above shall be provided to the Contracting Officer at the address inserted in Paragraph G.1.a above.

#### **G.4 52.400-4011 CONTRACT ADMINISTRATION DATA**

##### **a. INVOICES:**

1. Each invoice for utility services hereunder shall include:

- a. Contractor's identity and date of invoice
- b. Contract Number
- c. Period of time the invoice covers

2. Erasures or other changes to an invoice must be initialed by the person who signs the invoice.

b. PAYMENT:

1. Payment shall be made to the Contractor on a monthly basis upon certification of satisfactory performance of work and approval of the Contractor's monthly invoice by the Contracting Officer.

2. Payment will be made by:

TBD.

END OF SECTION G

## SECTION H

### SPECIAL CONTRACT REQUIREMENTS

#### H.1 CAPITAL INVESTMENTS.

H.1.1 Funding Responsibility. The Contractor shall be responsible for funding all capital investments required to acquire, maintain and operate the Fort Hamilton electrical, natural gas, potable water and wastewater distribution systems in a safe, reliable condition, and to meet the requirements listed herein. Cost of acquisition of the system should be capitalized and recovered over a desired amortization period. Costs of expansion or upgrades of the system will be funded by the Contractor as capital investment and recovered over a period that is consistent with the Contractor's standard capital investment recovery process. Any substantial initial utility system upgrade or utility system replacement shall be initiated by the Contractor during the first year of the contract and shall be fully completed by the end of the first contract year.

H.1.2 Capital Investment for System Upgrade/Enhancements (not associated with new or renovated facilities). The Contractor will be responsible for funding all capital investments required for system upgrades/enhancements. The Contractor will prepare budgetary cost estimates as requested by the federal Contracting Officer. The amortization period and capital recovery period shall be in accordance with the Contractor's standard methodology. The Contractor and the Government will discuss and negotiate the portion of Government prepayment and the amortization period. Close cooperation between the Contractor and the Government will be paramount to a successful and rewarding contract.

#### H.2 PROJECT REPORTS.

H.2.1 Capital Improvement Plan. The Capital Improvement Plan (CIP) shall identify major distribution system facility expansions, replacements, relocations, or abandonment as may be needed, identification of each project as a non-capital or capital related project, the amortization period and interest rate if applicable, and cost estimate. The Capital Improvement Plan shall describe the statement of need, estimated installed cost with detailed price components, project schedule for each improvement project or item, preliminary design data and backup calculations. The Capital Improvement Plan shall be submitted annually following the contract award date. An Initial Capital Improvement Plan shall be submitted as part of the Contractor's proposal to indicate major capital improvements planned for the first two (2) years of Contractor ownership of the Fort Hamilton utility distribution systems. The Initial Capital Improvement Plan shall contain the same level of detail as described for the annual Capital Improvement Plan described previously in this paragraph.

H.2.2 Compliance Report. The Compliance Report shall include the Contractor's documentation of meeting the requirements of paragraph C.7, Performance  
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Standards. The Contractor shall include sufficient detail for the Installation to verify that all required performance standards are currently being met by the Contractor. The Compliance Report shall include all calculations as required by the specifications cited in Paragraph C.7, Performance Requirements. The Compliance Report shall be submitted on a quarterly basis following the contract award date. A proposed Compliance Report shall be submitted as part of the Contractor's proposal to indicate how the Contractor plans to meet the requirements specified in Paragraph C.7, Performance Requirements with the existing Fort Hamilton utility distribution systems.

### H.2.3 O&M Plan.

H.2.3.1 Quarterly O&M Plan The Operation and Maintenance Plan (O&M Plan) shall contain the actual expenditures of the Contractor to include actual manhours, labor mix and hourly rates, equipment used and time of equipment use, list of materials used, cost of materials used, all overhead components, and Administrative and General (A&G) expenses for each monthly period. The O&M Plan reporting period shall match the monthly billing period. The O&M Plan shall be submitted on a quarterly basis following the contract award date.

H.2.3.2 Initial O&M Plan An Initial O&M Plan shall be submitted as part of the Contractor's proposal to indicate the proposed manhours, labor hour costs, equipment used, time of equipment use, list of materials used, cost of materials used, all overhead components, and Administrative and General (A&G) expenses for the next upcoming 6 months.

H.2.3.3 Summary O&M Plan At the end of each calendar year the Contractor shall submit a Summary O&M Plan which indicates the year's expenditures in manhours, labor costs, equipment, equipment costs, materials, material costs, overhead costs and A&G costs. The Summary O&M Report shall also include a section containing lessons learned by the Contractor of the previous year of operation and ownership of the Fort Hamilton utility distribution systems and calculations of the New York PSC Order Adopting Changes to Standards on Reliability and Quality of Service dated 26 Feb 1997, the calculation of the System Average Interruption Frequency Index (SAIFI) and the Consumer Average Interruption Duration Index (CAIDI) shall exclude interruptions caused by the Electric Commodity Supplier, currently ConEd.

H.2.4 Transition Plan The Transition Plan shall address steps necessary for the Contractor to assume ownership of the Fort Hamilton utility distribution systems in a timely and efficient manner. The Transition Plan shall include a schedule for ownership transfer from the date of contract award for the Contractor to mobilize and initiate repairs, upgrades, or replacement to the Fort Hamilton utility distribution systems. Indicate the total time needed to be fully responsive to Fort Hamilton. The Transition Plan shall be submitted as part of the Contractor's proposal and will be not required thereafter.

H.2.5 Service Restoration Plan. The Service Restoration Plan shall include the Contractor's plan for restoration of distribution service for the Fort Hamilton electric, natural gas, potable water distribution and wastewater collection systems. Each utility system shall be

addressed individually. The Service Restoration Plan shall indicate the Contractor's plan to respond to the requirements stated in Paragraphs C.6.3 Outages (Normal Working Hours), C.6.4 Outages (Outside of Normal Working Hours), and C.6.5 (Emergency Outage) to include personnel resource availability and location. The Service Restoration Plan shall also include the priority of Fort Hamilton customers, considering health and safety requirements (if applicable) inside and outside (if applicable) of the Installation boundary. The Service Restoration Plan shall be submitted on an annual basis following the contract award date.

### H.3 RATES AND CHARGES.

H.3.1 Rate Structure. The Rate Structure for consolidated utility service shall consist of four (4) components: "Initial Upgrade", "Distribution Charge", "Capital Investments", and "Purchase Price".

H.3.2 Monthly Consolidated Utility Service Charge. The Monthly Consolidated Utility Service Charge shall be based on the estimated operations and maintenance costs from the Annual O&M Plan, capitalization principal, amortized payments and franchise fees. Said monthly charge shall be determined by the formula as follows and as illustrated in the Example Calculation of Monthly Consolidated Utility Service Charge provided as Table L-1:

$$\text{MCUSC} = [ (\text{AIU} + \text{ADC} + \text{ACI} - \text{APP}) \div \text{BP} ], \text{ where}$$

MCUSC	=	Monthly Consolidated Utility Service Charge (\$)
AIU	=	Annual Initial Upgrades (\$)
ADC	=	Annual Distribution Charge (\$)
ACI	=	Annual Capital Investments (\$)
APP	=	Annual Purchase Price (\$)
BP	=	Billing Periods per year (12)

See Paragraph B.2 Definitions, for the definitions to the above terms..

### H.4 NEW YORK PUBLIC SERVICE COMMISSION JURISDICTION.

The Contractor shall provide written documentation if economic regulation is required by the New York Public Service Commission (NYPSC) and whether approval by the NYPSC of the contract is required prior to execution by the Contractor. See also Paragraph B.2.6 Alternate Proposals.

### H.5 ACCOUNTING PROCEDURES.

H.5.1 The Contractor shall separately record all costs and payments associated with the provision of electric, natural gas, potable water and wastewater utility service to the Installation using the prescribed National Association of Regulatory Utility Commissioner's (NARUC) Uniform System of Accounts (USOA), as supplemented by the Contractor's standard accounting procedures and generally recognized accounting practices and principles; provided, however, that such supplemental procedures and practices are fully consistent with the NARUC USOA.

H.5.2 The Government shall have the right at reasonable times and upon reasonable notice to inspect the Contractor's records as they relate to the performance or determination of rates under this contract.

## **H.6 ELECTRIC, NATURAL GAS, POTABLE WATER AND WASTEWATER SYSTEM FACILITIES.**

H.6.1 It is the intention of the Government to transfer ownership to the Contractor of all Government-owned facilities required to furnish electric, natural gas, potable water distribution, and wastewater collection service to Fort Hamilton, New York upon requesting and obtaining Department of the Army and/or Congressional approvals. Prior to obtaining the requisite approvals, all such facilities shall continue to be owned by the Government.

H.6.1.1 Title to such facilities shall transfer to the Contractor upon the receipt by the Contractor of the Government's written notice to this effect; provided, however, that the transfer of facility ownership shall be subject to reasonable reservations or conditions as set forth in the notice. The parties shall prepare and execute such additional documents as may be necessary to implement the ownership transfer. No buildings are anticipated to be transferred as part of this contract.

H.6.1.2 Upon the transfer of facility ownership from the Government to the Contractor, and unless otherwise provided for in this contract, the Contractor, at its expense, shall furnish, install, operate and maintain all facilities required for the distribution of electric, natural gas and potable water and collection of wastewater within the service premise. Title to all these facilities shall remain with the Contractor and it shall be responsible for all loss of or damage to these facilities, except that arising out of the fault or negligence of the Government, its agents or its employees. All taxes and other charges in connection therewith, together with all liability arising out of the negligence of the Contractor from the construction, operation or maintenance of these facilities, shall be assumed by the Contractor.

## **H.7 LIMITED USE OF UTILITY SYSTEM FACILITIES.**

The Contractor shall not use the privatized electric, natural gas, potable water collection or wastewater collection facilities of the Installation to serve or benefit areas or customers outside the service premise without the prior permission of the Government.

## **H.8 TERMINATION LIABILITY.**

The termination liability of the parties with respect to the provision of electric, natural gas, potable water and wastewater utility service under this contract shall be based upon FAR 52.241-10 Termination Liability (Feb 1995). See Section I, Contract Clauses.

## **H.9 FORCE MAJEURE.**

See FAR 52.249-14, Excusable Delays. See Section I, Contract Clauses.

## **H.10 INSURANCE REQUIREMENTS.**

The Contractor shall provide evidence of all insurance required below to the Contracting Officer prior to contract start date.

H.10.1 Worker's Compensation and Employee's Liability Insurance: Compliance with applicable worker's compensation and occupational disease statutes shall be required. In jurisdictions where all occupational diseases are not compensable under applicable law, insurance for occupational disease shall be required under the employer's liability section of the insurance policy; however, such additional insurance shall not be required where contract operations are so commingled with a contractor's commercial operations so that it would be impractical to require such coverage. Employer's liability coverage or monopolistic funds that do not permit the writing of workers' compensation by private carriers will not be allowed.

H.10.2 General Liability Insurance: Bodily injury liability insurance, in the minimum limits of \$500,000 per occurrence, shall be required on the comprehensive form of policy; however, property damage liability insurance ordinarily shall not be required.

H.10.3 Automobile Liability Insurance: This insurance shall be required on the comprehensive form of policy and shall provide bodily injury liability and property damage liability covering the operation of all automobiles used in connection with the performance of the contract. The minimum limits of \$200,000 per person and \$500,000 per occurrence for bodily injury and \$20,000 per occurrence for property damage shall be required.

H.10.4 An endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective until thirty (30) days after the Insurer or Contractor provides written notice to the Contracting Officer.

H.10.5 If the Contractor has catastrophic insurance, then the Contractor should provide a copy of the coverage to the Contracting Officer.

Note: It is recommended that the Contractor furnish a copy of the foregoing requirements to its insurance company, in order to assure that an insurance certificate is issued meeting the minimum requirements shown. The insurance



certificate shall also show the contract number to which it applies as well as a brief description and location of the work.

## **H.11 HAZARDOUS SUBSTANCES.**

H.11.1 The parties recognize that the nature of electric, natural gas, potable water, and especially the wastewater system maintenance, operation, and ownership is subject to numerous laws and regulations including but not limited to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (collectively referred to as "Environmental Laws") for cleanup, response removal or remediation, or preparation of any cleanup, response, removal or remediation plan attributable to the release of "Hazardous Substance" as that term is defined in the above environmental laws. The parties further recognize that the Contractor cannot and shall not assume liability for the violation(s) of, or curing of, Environmental Laws by the Government which are not the fault or the responsibility of the Contractor.

H.11.2 The parties further recognize that at the time this contract is entered into, the Government's electric, natural gas, potable water, or sewage system may not be in conformance with standards imposed on or by the Contractor.

H.11.3 Notwithstanding any other provision of this contract, this clause takes precedence over any other provision with respect to the Hazardous Substance situations set forth below.

H.11.4 Hazardous substance remediation is not included in this contract. If environmental contamination from Hazardous Substances is discovered in air, soil, or groundwater within the service location during the course of performing this contract, the Contractor shall cease all work at the site and immediately notify the Contracting Officer of the presence of Hazardous Substances.

H.11.5 In the event that Hazardous Substances have been unlawfully released, by other than the Contractor, into the electric, natural gas, potable water, or wastewater system facilities upstream, the Contractor shall not be responsible for any additional costs of remediation, penalties, or fines that may be occasioned by any subsequent release or re-release of such substances into the air, soil, or groundwater, and which may be caused by any act of the Contractor; provided, however, that the Contractor is in compliance with Section H.16.4, above. To the extent that other provisions of this contract require the Contractor to perform or re-perform work, the Contractor shall only be responsible for those costs not attributable to the presence of Hazardous Substances.

## **H.12 DISPOSITION OF ENVIRONMENTALLY SENSITIVE WASTES.**

Products such as used crankcase oil, antifreeze, oil filters, fuel filters, and similar items, shall be handled in the following manner:

(a) Before being brought on station, the appropriate Material Safety Data Sheet (MSDS) shall be submitted to the New York Department of Environmental Protection for approval. A copy of the MSDS shall remain on site.

(b) The Contractor shall make every effort to recycle versus dispose of consumable wastes.

### **H.13 HAZARDOUS WASTE SPILL.**

H.13.1 The Contractor shall respond to any hazardous waste spill resulting from the performance of electric, natural gas, potable water, or wastewater utility service in the service location, and clean up and bulk any spilled or contaminated substances, including absorbents, foam, soil, and debris, accumulated from the spill site. A spill contingency plan shall be submitted to the Contracting Officer for approval.

H.13.2 In emergencies, spill response shall be immediately implemented upon recognition of a spill.

H.13.3 Bulked products are then to be removed, recoverables recycled, and treatment/disposition of the waste products that remain.

H.13.4 Clean up is intended to restore the area to its pre-spill condition.

H.13.5 The Contractor shall transport these items to a recycling and/or treatment/disposal facility approved and permitted for such recycling and/or treatment/disposal by the U.S. Environmental Protection Agency / New York Department of Environmental Protection. Packaging materials if applicable (e.g., drums, plastic sheeting) shall also be recycled and/or treated/disposed of at a permitted facility. Should a spill occur during transportation of the hazardous wastes, the Contractor shall immediately notify the Director or Deputy Director of the Government's Environmental Protection Department and the Government's Hazardous Waste Manager, while simultaneously following procedures that protect human health and the environment.

### **H.14 ENVIRONMENTAL COMPLIANCE AND VIOLATIONS.**

H.14.1 The Contractor is required by this contract to ascertain the applicable federal, state, and local environmental laws, regulations, and directives that pertain to the work performed under this contract; to comply with those laws, regulations, and directives; and to advise the Government of any manner in which its facilities, equipment, and operations reasonably may be suspected to be in violation of those laws, regulations, and directives.

H.14.2 A civil citation issued against the Contractor for violations of environmental laws shall not give rise to any contractual obligation on the part of the Government to assist the Contractor in responding to, or defending against, any such citations. Any civil fine, penalty, or disability levied against the Contractor for an environmental violation is not reimbursable under this contract unless the Contracting Officer determines that the violation resulted from the

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H.16.2 The Contractor shall provide to the Commander, Security Division, through the Contracting Officer's Representative (COR), on company letterhead, a list of all employees performing work on Fort Hamilton under this contract. The list will include the full name, address, social security number, date and place of birth, and citizenship of each employee. The list will be kept current at all times.

H.16.3 The Contractor must comply with those Operations Security (OPSEC) measures which may be required by the Government to protect and control indicators that give an insight into military operations, plans, or other activities.

H.16.4 The Contractor shall comply with all security procedures for entering the Installation and its facilities, to include any special security procedures that may be established for entry to Restricted Areas or mission essential/vulnerable areas. The Contractor is responsible for all restricted badges issued to its employees. Lost or damaged badges shall be immediately reported to the COR.

H.16.5 The Government reserves the right to terminate the entry of any Contractor employee upon disclosure of information which indicates the individual's continued entry to the installation is not in the best interests of national security. Additionally, the violation of or deviation from the established security procedures by the Contractor's employees may result in the confiscation of identification media and the denial of future entry to the Installation.

H.16.6 The Government shall not be responsible for delays occasioned by non-compliance with these instructions. The Contractor is responsible for any delays caused by employees who report to work without proper identification badge(s). See requirements of C.6.3, C.6.4, C.6.5.

H.16.7 The Contractor will ensure that employees whose services are no longer required in the contract performance turn in their restricted passes/badges prior to effective pay settlement. The Contractor will immediately notify the COR telephonically and in writing when services of a Contractor employee are terminated.

## **H.17 SUBCONTRACTORS.**

Subcontractors selected for recurring utility services shall be approved by the Contracting Officer in writing prior to commencement of work on this contract. The requirements of Paragraph H.16., Security Requirements will also apply to any subcontractors. Qualifications for the subcontractor selected for recurring utility services must be submitted in writing to the Contracting Officer as part of the review/approval process. ( See Paragraph C.23, Contractor Personnel Requirements)

## **H.18 INTERPRETATION OF CONTRACT REQUIREMENTS.**

No interpretation of this contract shall be binding upon the Government unless agreed to in writing by the Contracting Officer.

Contractor's compliance with either requirements under this contract, and that the Contractor has met its contractual duty to ascertain the environmental laws, regulations, and directives that gave rise to the citation, and also that the Contractor has not failed in its duty to reasonably recognize and advise the Government of the suspected violation.

H.14.3 Any civil citation issued against the Government as a result of an environmental violation by the Contractor arising from or under the performance of this contract, if paid by the Government, may be deducted from the monies due the Contractor if the Contracting Officer determines that the violation resulted from a breach of the Contractor's obligation to ascertain the environmental laws, regulations, or directives that are subject of the citation; or to comply with them; or to advise the Government of suspected violations of those laws, regulations, or directives..

H.14.4 Contractor disagreements with the determination of the Contracting Officer are subject to the Disputes Clause. See Section I, Contract Clauses.

## **H.15 SAFETY.**

H.15.1 The Contractor shall comply with Occupational Safety and Health Act (OSHA) Standards, (construction Safety and Health Regulations Part 1926 and Occupational Safety and Health Standards, Part 1910).

H.15.2 The Contractor shall report on a monthly basis to the Contracting Officer the number of employees of the Contractor performing on Fort Hamilton. All accidental damage to Government property resulting in \$2,000.00 or more in damage to Government property must have a DA Form 285 (U.S. Army Accident Investigation Report) completed and submitted to the Contracting Officer.

H.15.3 All accidents which occur on Government premises involving the Contractor will be reported to the Contracting Officer within four (4) hours of occurrence.

H.15.4 The Contractor shall submit a full written report to the Contracting Officer within twenty-four (24) hours following the occurrence of such damage, loss or injury.

## **H.16 SECURITY REQUIREMENTS.**

H.16.1 The successful Offeror shall be required to contact the Security Division within 10 days after the contract award to initiate all documentation for clearances. All personnel requiring clearance must provide verification of citizenship (i.e. Birth Certificate, Citizenship Certification, Passport, NOTE: applicable documentation can be obtained from the Bureau of Vital Statistics) at the time of meeting with the Security Division. All documentation must be completed and submitted to the Security Division within 20 days after contract award. The Government will provide security badges to all personnel which indicate authorized areas of the Installation, pending successful security document submission.

## **H.19 LIABILITY FOR LOSS OR DAMAGE.**

The Contractor shall indemnify and hold harmless the Government, its officer, agents and employees against all actions, proceedings, claims, demands, costs, damages, and expenses, including attorney fees by reason of any suit or action brought for any actual or alleged injury to or death of any person or damage to property, other than the property furnished by the Government for use of the Contractor, if any, resulting from the performance of the services contracted for herein, unless the violation resulted from the negligence or omissions of the Government, its officers, agents or employees. The Contractor shall submit, to the Contracting Officer, within twenty-four (24) hours following the occurrence of such damage or loss, a fully detailed written report of the incident.

## **H.20 CONTRACTOR ESTABLISHMENT CODE.**

In the block with its name and address, the Contractor shall supply the Contractor Establishment Code applicable to the name and address, if known, to the Contractor. The number shall be preceded by "CEC". The CEC is a 9-digit code assigned to a Contractor establishment that contracts with a Federal executive agency. The CEC system is a contractor identification coding system which is currently the Dun and Bradstreet Data Universal Numbering System (DUNS). The CEC system is distinct from the Federal Taxpayer Identification Number (TIN) system. The Government will obtain a CEC for any awardee that does not know its CEC.

## **H.21 SERVICE METERS**

During the contract period Fort Hamilton will require the Contractor to install and connect service meters. These meters, which are for the sole use of the Government, will be owned, operated, maintained, calibrated, read and billed by the Contractor. The purpose of these meters is to monitor the consumption of energy and/or water at specific sites in order to accurately charge non-Army tenants. These meters shall be installed at sites as determined by the Fort Hamilton DPW.

## **H.22 TECHNICAL DRAWINGS**

Technical drawings of the utility distribution systems for Fort Hamilton are available for inspection at the Contracting Office of the U.S. Army Corps of Engineers, 26 Federal Plaza, Room 183, New York, New York. Additionally, the Technical drawings will be available for inspection at the pre-proposal conference (refer to paragraph L.11)

END OF SECTION H

SECTION I  
CONTRACT CLAUSES

I.1 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at these addresses:

<http://www.arnet.gov/far>  
<http://farsite.hill.af.mil>  
<http://www.dtic.mil/dfars>

(End of clause)

I.2 52.203-6 RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (JUL 1995)

(a) Except as provided in (b) below, the Contractor shall not enter into any agreement with an actual or prospective subcontractor, nor otherwise act in any manner, which has or may have the effect of restricting sales by such subcontractors directly to the Government of any item or process (including computer software) made or furnished by the subcontractor under this contract or under any follow-on production contract.

(b) The prohibition in (a) above does not preclude the Contractor from asserting rights that are otherwise authorized by law or regulation.

(c) The Contractor agrees to incorporate the substance of this clause, including this paragraph (c), in all subcontracts under this contract which exceed \$100,000.

(End of clause)

I.3 52.203-7 ANTI-KICKBACK PROCEDURES (JUL 1995)

(a) Definitions.

"Kickback," as used in this clause, means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided, directly or indirectly, to any prime Contractor, prime Contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a subcontract relating to a prime contract.

"Person," as used in this clause, means a corporation, partnership, business association of any kind, trust, joint-stock company, or

individual.

"Prime contract," as used in this clause, means a contract or contractual action entered into by the United States for the purpose of obtaining supplies, materials, equipment, or services of any kind.

"Prime Contractor" as used in this clause, means a person who has entered into a prime contract with the United States.

"Prime Contractor employee," as used in this clause, means any officer, partner, employee, or agent of a prime Contractor.

"Subcontract," as used in this clause, means a contract or contractual action entered into by a prime Contractor or subcontractor for the purpose of obtaining supplies, materials, equipment, or services of any kind under a prime contract.

"Subcontractor," as used in this clause, (1) means any person, other than the prime Contractor, who offers to furnish or furnishes any supplies, materials, equipment, or services of any kind under a prime contract or a subcontract entered into in connection with such prime contract, and (2) includes any person who offers to furnish or furnishes general supplies to the prime Contractor or a higher tier subcontractor.

"Subcontractor employee," as used in this clause, means any officer, partner, employee, or agent of a subcontractor.

(b) The Anti-Kickback Act of 1986 (41 U.S.C. 51-58) (the Act), prohibits any person from--

(1) Providing or attempting to provide or offering to provide any kickback;

(2) Soliciting, accepting, or attempting to accept any kickback; or

(3) Including, directly or indirectly, the amount of any kickback in the contract price charged by a prime Contractor to the United States or in the contract price charged by a subcontractor to a prime Contractor or higher tier subcontractor.

(c) (1) The Contractor shall have in place and follow reasonable procedures designed to prevent and detect possible violations described in paragraph (b) of this clause in its own operations and direct business relationships.

(2) When the Contractor has reasonable grounds to believe that a violation described in paragraph (b) of this clause may have occurred, the Contractor shall promptly report in writing the possible violation. Such reports shall be made to the inspector general of the contracting agency, the head of the contracting agency if the agency does not have an inspector general, or the Department of Justice.

(3) The Contractor shall cooperate fully with any Federal agency investigating a possible violation described in paragraph (b) of this

clause.

(4) The Contracting Officer may (i) offset the amount of the kickback against any monies owed by the United States under the prime contract and/or (ii) direct that the Prime Contractor withhold from sums owed a subcontractor under the prime contract the amount of the kickback. The Contracting Officer may order that monies withheld under subdivision (c) (4) (ii) of this clause be paid over to the Government unless the Government has already offset those monies under subdivision (c) (4) (i) of this clause. In either case, the Prime Contractor shall notify the Contracting Officer when the monies are withheld.

(5) The Contractor agrees to incorporate the substance of this clause, including subparagraph (c) (5) but excepting subparagraph (c) (1), in all subcontracts under this contract which exceed \$100,000.

(End of clause)

I.4	52.203-9	reserved (Reference )
I.5	52.204-4	PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER (JUN 1996) (Reference 4.304)
I.6	52.203-5	COVENANT AGAINST CONTINGENT FEES (APR 1984) (Reference 3.404)
I.7	52.202-1	DEFINITIONS (OCT 1995) (Reference 2.201)
I.8	52.232-1	PAYMENTS (APR 1984) (Reference 32.111(a) (1))
I.9	52.223-14	TOXIC CHEMICAL RELEASE REPORTING (OCT 1996) (Reference 23.907(b))
I.10	52.204-1	APPROVAL OF CONTRACT (DEC 1989)

This contract is subject to the written approval of the New York District Corps of Engineers Contracting Officer and shall not be binding until so approved.

(End of clause)



I.11	52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (JUN 1997) (Reference 3.808(b))
I.12	52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997) (Reference 3.104-9(b))
I.13	52.203-3	GRATUITIES (APR 1984) (Reference 3.202)
I.14	52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (OCT 1998) (Reference 44.403)
I.15	52.233-3	PROTEST AFTER AWARD (AUG 1996) (Reference 33.106(b))
I.16	52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (JUL 1995) (Reference 9.409(b))
I.17	52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT (OCT 1997) (Reference 15.209(h))
I.18	52.215-2	AUDIT AND RECORDS--NEGOTIATION (AUG 1996) (Reference 15.209(b))
I.19	52.222-4	CONTRACT WORK HOURS AND SAFETY STANDARDS ACT--OVERTIME COMPENSATION (JUL 1995) (Reference 22.305)
I.20	52.222-3	CONVICT LABOR (AUG 1996) (Reference 22.202)
I.21	52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (FEB 1997) (Reference 22.103-5(a))
I.22	52.219-16	LIQUIDATED DAMAGES--SUBCONTRACTING PLAN (JAN 1999) (Reference 19.708(b) (2))

- I.23 52.219-9 SMALL BUSINESS SUBCONTRACTING PLAN (JAN 1999)  
(Reference 19.708(b)(1))
- I.24 52.219-8 UTILIZATION OF SMALL BUSINESS CONCERNS (JAN 1999)  
(Reference 19.708(a))
- I.25 52.222-43 FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT--PRICE ADJUSTMENT  
(MULTIPLE YEAR AND OPTION CONTRACTS) (MAY 1989)  
(Reference 22.1006(c)(1))
- I.26 52.222-42 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (MAY 1989)  
.....

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

THIS STATEMENT IS FOR INFORMATION ONLY: IT IS NOT A WAGE DETERMINATION

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(End of clause)

- I.27 52.222-41 SERVICE CONTRACT ACT OF 1965, AS AMENDED (MAY 1989)  
(Reference 22.1006(a))
- I.28 52.222-37 EMPLOYMENT REPORTS ON DISABLED VETERANS AND VETERANS OF THE  
VIETNAM ERA (JAN 1999)  
(Reference 22.1308(b))
- I.29 52.222-36 AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES (JUN 1998)  
(Reference 22.1408(a))
- I.30 52.222-35 AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM  
ERA (APR 1998)  
(Reference 22.1308)
- I.31 52.222-26 EQUAL OPPORTUNITY (APR 1984)  
(Reference 22.810(e))

I.32 52.243-1 CHANGES--FIXED-PRICE (AUG 1987)  
(Reference 43.205(a)(1))

I.33 52.242-13 BANKRUPTCY (JUL 1995)

In the event the Contractor enters into proceedings relating to bankruptcy, whether voluntary or involuntary, the Contractor agrees to furnish, by certified mail or electronic commerce method authorized by the contract, written notification of the bankruptcy to the Contracting Officer responsible for administering the contract. This notification shall be furnished within five days of the initiation of the proceedings relating to bankruptcy filing. This notification shall include the date on which the bankruptcy petition was filed, the identity of the court in which the bankruptcy petition was filed, and a listing of Government contract numbers and contracting offices for all Government contracts against which final payment has not been made. This obligation remains in effect until final payment under this contract.

(End of clause)

I.34 52.232-11 EXTRAS (APR 1984)  
(Reference 32.111(d)(2))

I.35 52.232-8 DISCOUNTS FOR PROMPT PAYMENT (MAY 1997)  
(Reference 32.111(c)(1))

I.36 52.229-5 TAXES--CONTRACTS PERFORMED IN U.S. POSSESSIONS OR PUERTO RICO (APR 1984)  
(Reference 29.401-5)

I.37 52.229-3 FEDERAL, STATE, AND LOCAL TAXES (JAN 1991)  
(Reference 29.401-3)

I.38 52.228-16 Performance and Payment Bonds--Other than construction (SEP 1996)  
(Reference 28.103-4)

I.39 52.228-14 IRREVOCABLE LETTER OF CREDIT (OCT 1997)

(a) "Irrevocable letter of credit" (ILC), as used in this clause, means a

written commitment by a federally insured financial institution to pay all or part of a stated amount of money, until the expiration date of the letter, upon presentation by the Government (the beneficiary) of a written demand therefor. Neither the financial institution nor the offeror/Contractor can revoke or condition the letter of credit.

(b) If the offeror intends to use an ILC in lieu of a bid bond, or to secure other types of bonds such as performance and payment bonds, the letter of credit and letter of confirmation formats in paragraphs (e) and (f) of this clause shall be used.

(c) The letter of credit shall be irrevocable, shall require presentation of no document other than a written demand and the ILC (including confirming letter, if any), shall be issued/confirmed by an acceptable federally insured financial institution as provided in paragraph (d) of this clause, and--

(1) If used as a bid guarantee, the ILC shall expire no earlier than 60 days after the close of the bid acceptance period;

(2) If used as an alternative to corporate or individual sureties as security for a performance or payment bond, the offeror/Contractor may submit an ILC with an initial expiration date estimated to cover the entire period for which financial security is required or may submit an ILC with an initial expiration date that is a minimum period of one year from the date of issuance. The ILC shall provide that, unless the issuer provides the beneficiary written notice of non-renewal at least 60 days in advance of the current expiration date, the ILC is automatically extended without amendment for one year from the expiration date, or any future expiration date, until the period of required coverage is completed and the Contracting Officer provides the financial institution with a written statement waiving the right to payment. The period of required coverage shall be:

(i) For contracts subject to the Miller Act, the later of--

(A) One year following the expected date of final payment;

(B) For performance bonds only, until completion of any warranty period; or

(C) For payment bonds only, until resolution of all claims filed against the payment bond during the one-year period following final payment.

(ii) For contracts not subject to the Miller Act, the later of--

(A) 90 days following final payment; or

(B) For performance bonds only, until completion of any warranty period.

(d) Only federally insured financial institutions rated investment grade

or higher shall issue or confirm the ILC. The offeror/Contractor shall provide the Contracting Officer a credit rating that indicates the financial institution has the required rating(s) as of the date of issuance of the ILC. Unless the financial institution issuing the ILC had letter of credit business of at least \$25 million in the past year, ILCs over \$5 million must be confirmed by another acceptable financial institution that had letter of credit business of at least \$25 million in the past year.

(e) The following format shall be used by the issuing financial institution to create an ILC:

(Issuing Financial Institution's Letterhead or Name and Address)

Issue Date \_\_\_\_\_

Irrevocable Letter of Credit No. \_\_\_\_\_

Account party's name \_\_\_\_\_

Account party's address \_\_\_\_\_

For Solicitation No. \_\_\_\_\_

(For reference only)

TO: (U.S. Government agency)

(U.S. Government agency's address)

1. We hereby establish this irrevocable and transferable Letter of Credit in your favor for one or more drawings up to United States \$ \_\_\_\_\_. This Letter of Credit is payable at (issuing financial institution's and, if any, confirming financial institution's) office at (issuing financial institution's address and, if any, confirming financial institution's address) and expires with our close of business on \_\_\_\_\_, or any automatically extended expiration date.

2. We hereby undertake to honor your or the transferee's sight draft(s) drawn on the issuing or, if any, the confirming financial institution, for all or any part of this credit if presented with this Letter of Credit and confirmation, if any, at the office specified in paragraph 1 of this Letter of Credit on or before the expiration date or any automatically extended expiration date.

3. (This paragraph is omitted if used as a bid guarantee, and subsequent paragraphs are renumbered.) It is a condition of this Letter of Credit that it is deemed to be automatically extended without amendment for one year from the expiration date hereof, or any future expiration date, unless at least 60 days prior to any expiration date, we notify you or the transferee by registered mail, or other receipted means

of delivery, that we elect not to consider this Letter of Credit renewed for any such additional period. At the time we notify you, we also agree to notify the account party (and confirming financial institution, if any) by the same means of delivery.

4. This Letter of Credit is transferable. Transfers and assignments of proceeds are to be effected without charge to either the beneficiary or the transferee/assignee of proceeds. Such transfer or assignment shall be only at the written direction of the Government (the beneficiary) in a form satisfactory to the issuing financial institution and the confirming financial institution, if any.

5. This Letter of Credit is subject to the Uniform Customs and Practice (UCP) for Documentary Credits, 1993 Revision, International Chamber of Commerce Publication No. 500, and to the extent not inconsistent therewith, to the laws of \_\_\_\_\_ (state of confirming financial institution, if any, otherwise state of issuing financial institution).

6. If this credit expires during an interruption of business of this financial institution as described in Article 17 of the UCP, the financial institution specifically agrees to effect payment if this credit is drawn against within 30 days after the resumption of our business.

Sincerely,  
(Issuing financial institution)

(f) The following format shall be used by the financial institution to confirm an ILC:

(Confirming Financial Institution's Letterhead or Name and Address)

Date \_\_\_\_\_ 19 \_\_\_\_\_

Our Letter of Credit Advice Number \_\_\_\_\_

Beneficiary: \_\_\_\_\_

(U.S. Government agency)

Issuing Financial Institution: \_\_\_\_\_

Issuing Financial Institution's LC No.: \_\_\_\_\_

Gentlemen:

1. We hereby confirm the above indicated Letter of Credit, the original of which is attached, issued by \_\_\_\_\_ (name of issuing financial institution) for drawings of up to United States dollars \_\_\_\_\_/U.S. \$ \_\_\_\_\_ and expiring with our close of business on \_\_\_\_\_ (the

expiration date), or any automatically extended expiration date.

2. Draft(s) drawn under the Letter of Credit and this Confirmation are payable at our office located at \_\_\_\_\_.

3. We hereby undertake to honor sight draft(s) drawn under and presented with the Letter of Credit and this Confirmation at our offices as specified herein.

4. (This paragraph is omitted if used as a bid guarantee, and subsequent paragraphs are renumbered.) It is a condition of this confirmation that it be deemed automatically extended without amendment for one year from the expiration date hereof, or any automatically extended expiration date, unless:

(a) At least 60 days prior to any such expiration date, we shall notify the Contracting Officer, or the transferee and the issuing financial institution, by registered mail or other receipted means of delivery, that we elect not to consider this confirmation extended for any such additional period; or

(b) The issuing financial institution shall have exercised its right to notify you or the transferee, the account party, and ourselves, of its election not to extend the expiration date of the Letter of Credit.

5. This confirmation is subject to the Uniform Customs and Practice (UCP) for Documentary Credits, 1993 Revision, International Chamber of Commerce Publication No. 500, and to the extent not inconsistent therewith, to the laws of \_\_\_\_\_ (state of confirming financial institution).

6. If this confirmation expires during an interruption of business of this financial institution as described in Article 17 of the UCP, we specifically agree to effect payment if this credit is drawn against within 30 days after the resumption of our business.

Sincerely,

(Confirming financial institution)

(g) The following format shall be used by the Contracting Officer for a sight draft to draw on the Letter of Credit:

SIGHT DRAFT

\_\_\_\_\_  
(City, State)

\_\_\_\_\_, 19\_\_\_\_

\_\_\_\_\_  
(Name and address of financial institution)

Pay to the order of \_\_\_\_\_

\_\_\_\_\_  
(Beneficiary Agency)

the sum of United States \$ \_\_\_\_\_  
This draft is drawn under \_\_\_\_\_  
Irrevocable Letter of Credit No. \_\_\_\_\_  
By: \_\_\_\_\_  
(Beneficiary Agency)  
(End of clause)

I.40	52.228-11	PLEDGES OF ASSETS (FEB 1992) (Reference 28.203-6)
I.41	52.228-5	INSURANCE--WORK ON A GOVERNMENT INSTALLATION (JAN 1997) (Reference 28.310)
I.42	52.230-6	ADMINISTRATION OF COST ACCOUNTING STANDARDS (APR 1996) (Reference 30.201-4(d))
I.43	52.230-3	DISCLOSURE AND CONSISTENCY OF COST ACCOUNTING PRACTICES (APR 1998) (Reference 30.201-4(b))
I.44	52.230-2	COST ACCOUNTING STANDARDS (APR 1998) (Reference 30.201-4(a))
I.45	52.251-1	GOVERNMENT SUPPLY SOURCES (APR 1984) (Reference 51.107)
I.46	52.249-8	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE) (APR 1984) (Reference 49.504(a)(1))
I.47	52.249-2	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE) (SEP 1996) (Reference 49.502(b)(1))
I.48	52.248-1	VALUE ENGINEERING (MAR 1989) (Reference 48.201)
I.49	52.247-64	PREFERENCE FOR PRIVATELY OWNED U.S.-FLAG COMMERCIAL VESSELS (JUN 1997) (Reference 47.507(a))
I.50	52.247-63	PREFERENCE FOR U.S.-FLAG AIR CARRIERS (JAN 1997) (Reference 47.405)



I.51	52.222-15	CERTIFICATION OF ELIGIBILITY (FEB 1988) (Reference 22.407(a) (1))
I.52	52.222-14	DISPUTES CONCERNING LABOR STANDARDS (FEB 1988) (Reference 22.407(a) (9))
I.53	52.246-25	LIMITATION OF LIABILITY--SERVICES (FEB 1997) (Reference 46.805)
I.54	52.222-13	COMPLIANCE WITH DAVIS-BACON AND RELATED ACT REGULATIONS (FEB 1988) (Reference 22.407(a) (8))
I.55	52.222-12	CONTRACT TERMINATION--DEBARMENT (FEB 1988) (Reference 22.407(a) (7))
I.56	52.222-11	SUBCONTRACTS (LABOR STANDARDS) (FEB 1988) (Reference 22.407(a) (6))
I.57	52.222-10	COMPLIANCE WITH COPELAND ACT REQUIREMENTS (FEB 1988) (Reference 22.407(a) (5))
I.58	52.222-9	APPRENTICES AND TRAINEES (FEB 1988) (Reference 22.407(a) (4))
I.59	52.222-8	PAYROLLS AND BASIC RECORDS (FEB 1988) (Reference 22.407(a) (3))
I.60	52.222-7	WITHHOLDING OF FUNDS (FEB 1988) (Reference 22.407(a) (2))
I.61	52.222-6	DAVIS-BACON ACT (FEB 1995) (Reference 22.407(a) (1))
I.62	52.253-1	COMPUTER GENERATED FORMS (JAN 1991) (Reference 53.111)
I.63	52.252-4	ALTERATIONS IN CONTRACT (APR 1984)

Portions of this contract are altered as follows:  
None

(End of clause)  
(R 7-105.1(a) 1949 JUL)

I.64	52.224-2	PRIVACY ACT (APR 1984) (Reference 24.104(b))
I.65	52.224-1	PRIVACY ACT NOTIFICATION (APR 1984) (Reference 24.104(a))
I.66	52.223-6	DRUG-FREE WORKPLACE (JAN 1997) (Reference 23.505(b))
I.67	52.223-2	CLEAN AIR AND WATER (APR 1984) (Reference 23.105(b))
I.68	52.228-2	ADDITIONAL BOND SECURITY (OCT 1997) (Reference 28.106-4(a))
I.69	52.226-1	UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN-OWNED ECONOMIC ENTERPRISES (JAN 1995) (Reference 26.104)
I.70	52.225-11	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (AUG 1998) (Reference 25.702)
I.71	52.225-3	BUY AMERICAN ACT--SUPPLIES (JAN 1994) (Reference 25.109(d))
I.72	52.233-1	DISPUTES (DEC 1998) (Reference 33.215)
I.73	52.232-33	MANDATORY INFORMATION FOR ELECTRONIC FUNDS TRANSFER PAYMENT (AUG 1996) (Reference 32.1103(a)4)
I.74	52.232-25	PROMPT PAYMENT (JUN 1997) (Reference 32.908(c))
I.75	52.232-23	ASSIGNMENT OF CLAIMS (JAN 1986) (Reference 32.806(a) (1))

- I.76 52.232-17 INTEREST (JUN 1996)  
(Reference 32.617(a)&())
- I.77 52.237-2 PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION (APR 1984)  
(Reference 37.110(b))
- I.78 52.241-11 MULTIPLE SERVICE LOCATIONS (FEB 1995)  
(Reference 41.501(d)(5))
- I.79 52.241-8 CHANGE IN RATES OR TERMS AND CONDITIONS OF SERVICE FOR UNREGULATED  
SERVICES (FEB 1995)

(a) This clause applies to the extent that services furnished hereunder are not subject to regulation by a regulatory body.

(b) After one year, either party may request a change in rates or terms and conditions of service, unless otherwise provided in this contract. Both parties agree to enter in negotiations concerning such changes upon receipt of a written request detailing the proposed changes and specifying the reasons for the proposed changes.

(c) The effective date of any change shall be as agreed to by the parties. The Contractor agrees that throughout the life of this contract, the rates so negotiated will not be in excess of published and unpublished rates charged to any other customer of the same class under similar terms and conditions of use and service.

(d) The failure of the parties to agree upon any change after a reasonable period of time shall be a dispute under the Disputes clause of this contract.

(e) Any changes to rates, terms, or conditions as a result of such negotiations shall be made a part of this contract by the issuance of a contract modification.

(End of clause)

- I.80 52.241-7 CHANGE IN RATES OR TERMS AND CONDITIONS OF SERVICE FOR REGULATED  
SERVICES (FEB 1995)

(a) This clause applies to the extent services furnished under this contract are subject to regulation by a regulatory body. The contractor

agrees to give the New York District Corps of Engineers Contracting Officer written notice of (1) the filing of an application for change in rates or terms and conditions of service concurrently with the filing of the application and (2) any changes pending with the regulatory body as of the date of contract award. Such notice shall fully describe the proposed change. If, during the term of this contract, the regulatory body having jurisdiction approves any changes, the Contractor shall forward to the Contracting Officer a copy of such changes within 15 days after the effective date thereof. The Contractor agrees to continue furnishing service under this contract in accordance with the amended tariff, and the Government agrees to pay for such service at the higher or lower rates as of the date when such rates are made effective.

(b) The Contractor agrees that throughout the life of this contract the applicable published and unpublished rate schedule(s) shall not be in excess of the lowest cost published and unpublished rate schedule(s) available to any other customers of the same class under similar conditions of use and service.

(c) In the event that the regulatory body promulgates any regulation concerning matters other than rates which affects this contract, the Contractor shall immediately provide a copy to the Contracting Officer. The Government shall not be bound to accept any new regulation inconsistent with Federal laws or regulations.

(d) Any changes to rates or terms and conditions of service shall be made a part of this contract by the issuance of a contract modification unless otherwise specified in the contract. The effective date of the change shall be the effective date by the regulatory body. Any factors not governed by the regulatory body will have an effective date as agreed to by the parties.

(End of clause)

I.81 52.241-6 SERVICE PROVISIONS (FEB 1995)

(a) Measurement of service. (1) All service furnished by the Contractor shall be measured by suitable metering equipment of standard manufacture, to be furnished, installed, maintained, repaired, calibrated, and read by the Contractor at its expense. When more than a single meter is installed at a service location, the reading thereof may be billed conjunctively, if appropriate. In the event any meter fails to register (or registers incorrectly) the service furnished, the parties shall agree

upon the length of time of meter malfunction and the quantity of service delivered during such period of time. An appropriate adjustment shall be made to the next invoice for the purpose of correcting such errors. However, any meter which registers not more than one percent slow or fast shall be deemed correct.

(2) The Contractor shall read all meters at periodic intervals of approximately 30 days or in accordance with the policy of the cognizant regulatory body or applicable bylaws. All billings based on meter readings of less than 30 days shall be prorated accordingly.

(b) Meter test. (1) The Contractor, at its expense, shall periodically inspect and test Contractor-installed meters at intervals not exceeding one year(s). The Government has the right to have representation during the inspection and test.

(2) At the written request of the Contracting Officer, the Contractor shall make additional tests of any or all such meters in the presence of Government representatives. The cost of such additional tests shall be borne by the Government if the percentage of errors is found to be not more than one percent slow or fast.

(3) No meter shall be placed in service or allowed to remain in service which has an error in registration in excess of one percent under normal operating conditions.

(c) Change in volume or character. Reasonable notice shall be given by the Contracting Officer to the Contractor regarding any material changes anticipated in the volume or characteristics of the utility service required at each location.

(d) Continuity of service and consumption. The Contractor shall use reasonable diligence to provide a regular and uninterrupted supply of service at each service location, but shall not be liable for damages, breach of contract or otherwise, to the Government for failure, suspension, diminution, or other variations of service occasioned by or in consequence of any cause beyond the control of the Contractor, including but not limited to acts of God or of the public enemy, fires, floods, earthquakes, or other catastrophe, strikes, or failure or breakdown of transmission or other facilities. If any such failure, suspension, diminution, or other variation of service shall aggregate more than four hour(s) during any billing period hereunder, an equitable adjustment shall be made in the monthly billing specified in this contract (including the minimum monthly charge).

(End of clause)

- I.82 52.241-5 CONTRACTOR'S FACILITIES (FEB 1995)  
(Reference 41.501(c) (4))
- I.83 52.241-4 CHANGE IN CLASS OF SERVICE (FEB 1995)  
(Reference 41.501(c) (3))
- I.84 52.241-3 SCOPE AND DURATION OF CONTRACT (FEB 1995)

(a) For the period 10 years the Contractor agrees to furnish and the Government agrees to purchase Electric, Natural Gas, Potable Water, and Wastewater utility service in accordance with the applicable tariff(s), rules, and regulations as approved by the applicable governing regulatory body and as set forth in the contract.

(b) It is expressly understood that neither the Contractor nor the Government is under any obligation to continue any service under the terms and conditions of this contract beyond the expiration date.

(c) The Contractor shall provide the Government with one complete set of rates, terms, and conditions of service which are in effect as of the date of this contract and any subsequently approved rates.

(d) The Contractor shall be paid at the applicable rate(s) under the tariff and the Government shall be liable for the minimum monthly charge, if any, specified in this contract commencing with the period in which service is initially furnished and continuing for the terms of this contract. Any minimum monthly charge specified in this contract shall be equitably prorated for the periods in which commencement and termination of this contract become effective.

(End of clause)

- I.85 52.241-2 ORDER OF PRECEDENCE-UTILITIES (FEB 1995)  
(Reference 41.501(c) (1))

END OF SECTION I

## **SECTION J**

### **ATTACHMENTS**

#### **J.0 SECTION J: ATTACHMENTS**

**ATTACHMENT A: ELECTRIC, NATURAL GAS, POTABLE WATER, AND  
WASTEWATER UTILITY SANITIZED SYSTEM  
INVENTORIES (To Be Provided)**

**ATTACHMENT B: SAMPLE EASEMENT (To Be Provided)**

**ATTACHMENT C: MAP OF FORT HAMILTON, NY (To Be Provided)**

**ATTACHMENT D: FORT HAMILTON EXCAVATION PERMIT (WORK  
REQUEST, EHSC FORM 4283-1) (To Be Provided)**

**ATTACHMENT E: WAGE DETERMINATION NO: 94-2375 REV (12)**

**ATTACHMENT F: GENERAL DECISION NO: NY980003 REV (14)**

## SECTION J

ATTACHMENT E . . .

WAGE DETERMINATION NO: 94-2375 REV (12) AREA: NY, NEW YORK CITY

WAGE DETERMINATION NO: 94-2375 REV (12) AREA: NY, NEW YORK CITY

\*\*\*FOR OFFICIAL USE ONLY BY FEDERAL AGENCIES PARTICIPATING IN MOU WITH DOL\*\*\*

REGISTER OF WAGE DETERMINATION UNDER		U.S. DEPARTMENT OF LABOR
THE SERVICE CONTRACT ACT		EMPLOYMENT STANDARDS ADMINISTRATION
By direction of the Secretary of Labor		WAGE AND HOUR DIVISION
		Washington, D.C. 20210
		Wage Determination No.: 94-2375
		Revision No.: 12
Division of	Wage Determinations	Date of Last Revision: 12/11/1998

State): New York|  
 Areas: New York COUNTIES OF Bronx, Kings, New York, Putnam, Queens,  
 Richmond, Rockland, Westchester

\*\* Fringe Benefits Required For All Occupations Included In  
 This Wage Determination Follow The Occupational Listing \*\*

OCCUPATION CODE AND TITLE	MINIMUM HOURLY WAGE
Administrative Support and Clerical Occupations:	
01011 Accounting Clerk I	\$ 11.35
01012 Accounting Clerk II	\$ 14.16
01013 Accounting Clerk III	\$ 15.73
01014 Accounting Clerk IV	\$ 17.11
01030 Court Reporter	\$ 14.81
01050 Dispatcher, Motor Vehicle	\$ 14.81
01060 Document Preparation Clerk	\$ 13.30
01070 Messenger (Courier)	\$ 10.51
01090 Duplicating Machine Operator	\$ 13.30
01110 Film/Tape Librarian	\$ 14.68
01115 General Clerk I	\$ 10.51
01116 General Clerk II	\$ 10.60
01117 General Clerk III	\$ 13.30
01118 General Clerk IV	\$ 12.78
01120 Housing Referral Assistant	\$ 17.00
01131 Key Entry Operator I	\$ 11.68
01132 Key Entry Operator II	\$ 12.50
01191 Order Clerk I	\$ 10.72
01192, Order Clerk II	\$ 14.16
01261 Personnel Assistant (Employment) I	\$ 12.39
01262 Personnel Assistant (Employment) II	\$ 13.92
01263 Personnel Assistant (Employment) III	\$ 16.08
01264 Personnel Assistant (Employment) IV	\$ 17.39
01270 Production Control Clerk	\$ 17.00
01290 Rental Clerk	\$ 14.68
01300 Scheduler, Maintenance	\$ 14.68
01311 Secretary I	\$ 14.68
01312 Secretary II	\$ 14.81
01313 Secretary III	\$ 17.00
01314 Secretary IV	\$ 19.67
01315 Secretary V	\$ 22.99
01320 Service Order Dispatcher	\$ 14.68
01341 Stenographer I	\$ 13.07
01342 Stenographer II	\$ 14.68
01400 Supply Technician	\$ 19.67
01420 Survey Worker (Interviewer)	\$ 14.81
01460 Switchboard Operator-Receptionist	\$ 11.54



01510 Test Examiner	\$ 14.81
01520 Test Proctor	\$ 14.81
01531 Travel Clerk I	\$ 10.25
01532 Travel Clerk II	\$ 11.11
01533 Travel Clerk III	\$ 12.05
01611 Word Processor I	\$ 13.04
01612 Word Processor II	\$ 13.95
01613 Word Processor III	\$ 17.16
Automatic Data Processing Occupations:	
03010 Computer Data Librarian	\$ 13.39
03041 Computer Operator I	\$ 12.60
03042 Computer Operator II	\$ 14.42
03043 Computer Operator III	\$ 17.65
03044 Computer Operator IV	\$ 22.13
03045 Computer Operator V	\$ 22.43
03071 Computer Programmer I 1/	\$ 17.69
03072 Computer Programmer II 1/	\$ 21.61
03073 Computer Programmer III 1/	\$ 25.00
03074 Computer Programmer IV 1/	\$ 27.62
03101 Computer Systems Analyst I 1/	\$ 21.41
03102 Computer Systems Analyst II 1/	\$ 26.70
03103 Computer Systems Analyst III 1/	\$ 27.62
03160 Peripheral Equipment Operator	\$ 12.87
Automotive Service Occupations:	
05005 Automobile Body Repairer, Fiberglass	\$ 21.51
05010 Automotive Glass Installer	\$ 19.83
05040 Automotive Worker	\$ 19.83
05070 Electrician, Automotive	\$ 20.71
05100 Mobile Equipment Servicer	\$ 18.22
05130 Motor Equipment Metal Mechanic	\$ 21.51
05160 Motor Equipment Metal Worker	\$ 18.83
05190 Motor Vehicle Mechanic	\$ 21.51
05220 Motor Vehicle Mechanic Helper	\$ 17.38
05250 Motor Vehicle Upholstery Worker	\$ 19.04
05280 Motor Vehicle Wrecker	\$ 19.83
05310 Painter, Automotive	\$ 20.71
05340 Radiator Repair Specialist	\$ 19.83
05370 Tire Repairer	\$ 18.22
05400 Transmission Repair Specialist	\$ 21.51
Food Preparation and Service Occupations:	
07010 Baker	\$ 18.89
07041 Cook I	\$ 17.36
07042 Cook II	\$ 18.89
07070 Dishwasher	\$ 14.17
07100 Food Service Worker (Cafeteria Worker)	\$ 14.17
07130 Meat Cutter	\$ 18.89
07250 Waiter/Waitress	\$ 14.98
Furniture Maintenance and Repair Occupations:	
09010 Electrostatic Spray Painter	\$ 19.45
09040 Furniture Handler	\$ 14.78
09070 Furniture Refinisher	\$ 19.45
09100 Furniture Refinisher Helper	\$ 16.33
09110 Furniture Repairer, Minor	\$ 17.88
09130 Upholsterer	\$ 19.45
General Service and Support Occupations:	
11030 Cleaner, Vehicles	\$ 14.17
11060 Elevator Operator	\$ 14.17
11090 Gardener	\$ 17.36
11121 Housekeeping Aide I	\$ 13.26
11122 Housekeeping Aide II	\$ 14.17
11150 Janitor 2/	\$ 14.17
11210 Laborer, Grounds Maintenance	\$ 14.98
11240 Maid or Houseman	\$ 13.26
11270 Pest Controller	\$ 18.12

ATTACHMENT E

11300 Refuse Collector 3/	\$ 14.17
11330 Tractor Operator	\$ 16.55
11360 Window Cleaner	\$ 14.98
Health Occupations:	
12020 Dental Assistant	\$ 10.50
12040 Emergency Medical Technician/Paramedic Ambulance Driver	\$ 13.31
12071 Licensed Practical Nurse I	\$ 13.95
12072 Licensed Practical Nurse II	\$ 15.68
12073 Licensed Practical Nurse III	\$ 17.53
12100 Medical Assistant	\$ 9.39
12130 Medical Laboratory Technician	\$ 9.39
12160 Medical Record Clerk	\$ 9.39
12190 Medical Record Technician	\$ 13.01
12221 Nursing Assistant I	\$ 6.82
12222 Nursing Assistant II	\$ 11.54
12223 Nursing Assistant III	\$ 12.59
12224 Nursing Assistant IV	\$ 14.15
12250 Pharmacy Technician	\$ 11.71
12280 Phlebotomist	\$ 9.39
12311 Registered Nurse I	\$ 18.88
12312 Registered Nurse II	\$ 25.25
12313 Registered Nurse II, Specialist	\$ 25.25
12314 Registered Nurse III	\$ 27.18
12315 Registered Nurse III, Anesthetist	\$ 27.18
12316 Registered Nurse IV	\$ 29.71
Information and Arts Occupations:	
13002 Audiovisual Librarian	\$ 19.67
13011 Exhibits Specialist I	\$ 15.99
13012 Exhibits Specialist II	\$ 16.98
13013 Exhibits Specialist III	\$ 19.16
13041 Illustrator I	\$ 15.99
13042 Illustrator II	\$ 16.98
13043 Illustrator III	\$ 19.16
13047 Librarian	\$ 22.99
13050 Library Technician	\$ 14.81
13071 Photographer I	\$ 13.36
13072 Photographer II	\$ 15.99
13073 Photographer III	\$ 16.98
13074 Photographer IV	\$ 19.16
13075 Photographer V	\$ 23.17
Laundry, Drycleaning, Pressing and Related Occups:	
15010 Assembler	\$ 7.45
15030 Counter Attendant	\$ 7.45
15040 Dry Cleaner	\$ 9.47
15070 Finisher, Flatwork, Machine	\$ 7.45
15090 Presser, Hand	\$ 7.45
15100 Presser, Machine, Drycleaning	\$ 7.45
15130 Presser, Machine, Shirts	\$ 7.45
15160 Presser, Machine, Wearing Apparel, Laundry	\$ 7.45
15190 Sewing Machine Operator	\$ 10.17
15220 Tailor	\$ 10.93
15250 Washer, Machine	\$ 8.23
Machine Tool Operation and Repair Occupations:	
19010 Machine-Tool Operator (Toolroom)	\$ 19.45
19040 Tool and Die Maker	\$ 22.56
Materials Handling and Packing Occupations:	
21010 Fuel Distribution System Operator	\$ 17.13
21020 Material Coordinator	\$ 15.63
21030 Material Expediter	\$ 15.63
21040 Material Handling Laborer	\$ 15.27
21050 Order Filler	\$ 13.68
21071 Forklift Operator	\$ 15.69
21080 Production Line Worker (Food Processing)	\$ 14.27
21100 Shipping/Receiving Clerk	\$ 11.83

ATTACHMENT E

21130 Shipping Packer	\$ 11.83
21140 Store Worker I	\$ 10.58
21150 Stock Clerk (Shelf Stocker; Store Worker II)	\$ 11.84
21210 Tools and Parts Attendant	\$ 15.85
21400 Warehouse Specialist	\$ 13.09
Mechanics and Maintenance and Repair Occupations:	
23010 Aircraft Mechanic	\$ 20.22
23040 Aircraft Mechanic Helper	\$ 16.33
23050 Aircraft Quality Control Inspector	\$ 21.00
23060 Aircraft Servicer	\$ 17.88
23070 Aircraft Worker	\$ 18.65
23100 Appliance Mechanic	\$ 19.45
23120 Bicycle Repairer	\$ 17.13
23125 Cable Splicer	\$ 20.22
23130 Carpenter, Maintenance	\$ 19.45
23140 Carper Layer	\$ 18.65
23160 Electrician, Maintenance	\$ 24.67
23181 Electronics Technician, Maintenance I	\$ 14.17
23182 Electronics Technician, Maintenance II	\$ 19.45
23183 Electronics Technician, Maintenance III	\$ 20.76
23260 Fabric Worker	\$ 17.88
23290 Fire Alarm System Mechanic	\$ 20.22
23310 Fire Extinguisher Repairer	\$ 17.13
23340 Fuel Distribution System Mechanic	\$ 20.22
23370 General Maintenance Worker	\$ 18.34
23400 Heating, Refrigeration and Air-Conditioning Mechanic	\$ 20.22
23430 Heavy Equipment Mechanic	\$ 20.22
23440 Heavy Equipment Operator	\$ 20.22
23460 Instrument Mechanic	\$ 20.22
23470 Laborer	\$ 14.53
23500 Locksmith	\$ 19.62
23530 Machinery Maintenance Mechanic	\$ 19.70
23550 Machinist, Maintenance	\$ 20.11
23580 Maintenance Trades Helper	\$ 16.33
23640 Millwright	\$ 20.22
23700 Office Appliance Repairer	\$ 19.45
23740 Painter, Aircraft	\$ 19.45
23760 Painter, Maintenance	\$ 19.45
23790 Pipefitter, Maintenance	\$ 24.98
23800 Plumber, Maintenance	\$ 19.45
23820 Pneudraulic Systems Mechanic	\$ 20.22
23850 Rigger	\$ 20.22
23870 Scale Mechanic	\$ 18.65
23890 Sheet-Metal Worker, Maintenance	\$ 23.25
23910 Small Engine Mechanic	\$ 18.65
23930 Telecommunications Mechanic I	\$ 20.22
23931 Telecommunications Mechanic II	\$ 23.55
23950 Telephone Lineman	\$ 20.22
23960 Welder, Combination, Maintenance	\$ 20.22
23965 Well Driller	\$ 20.22
23970 Woodcraft Worker	\$ 20.22
23980 Woodworker	\$ 17.13
Personal Needs Occupations:	
24570 Child Care Attendant	\$ 12.97
24580 Child Care Center Clerk	\$ 16.17
24600 Chore Aide	\$ 12.24
24630 Homemaker	\$ 17.96
Plant and System Operation Occupations:	
25010 Boiler Tender	\$ 20.22
25040 Sewage Plant Operator	\$ 19.45
25070 Stationary Engineer	\$ 20.22
25190 Ventilation Equipment Tender	\$ 16.33
25210 Water Treatment Plant Operator	\$ 19.45
Protective Service Occupations:	

ATTACHMENT E

27004 Alarm Monitor	\$ 13.04
27006 Corrections Officer	\$ 19.21
27010 Court Security Officer	\$ 19.21
27040 Detention Officer	\$ 19.21
27070 Firefighter	\$ 19.98
27101 Guard I	\$ 8.09
27102 Guard II	\$ 13.04
27130 Police Officer	\$ 19.80
Stevedoring/Longshoremen Occupational Services:	
28010 Blocker and Bracer	\$ 16.30
28020 Hatch Tender	\$ 16.30
28030 Line Handler	\$ 16.30
28040 Stevedore I	\$ 15.63
28050 Stevedore II	\$ 17.00
Technical Occupations:	
29010 Air Traffic Control Specialist, Center 4/	\$ 25.03
29011 Air Traffic Control Specialist, Station 4/	\$ 17.26
29012 Air Traffic Control Specialist, Terminal 4/	\$ 19.02
29023 Archeological Technician I	\$ 12.26
29024 Archeological Technician II	\$ 13.71
29025 Archeological Technician III	\$ 16.98
29030 Cartographic Technician	\$ 16.98
29035 Computer Based Training (CBT) Specialist/Instructor	\$ 21.41
29040 Civil Engineering Technician	\$ 16.98
29061 Drafter I	\$ 12.15
29062 Drafter II	\$ 13.36
29063 Drafter III	\$ 15.99
29064 Drafter IV	\$ 16.98
29081 Engineering Technician I	\$ 13.00
29082 Engineering Technician II	\$ 15.00
29083 Engineering Technician III	\$ 18.38
29084 Engineering Technician IV	\$ 19.52
29085 Engineering Technician V	\$ 22.03
29086 Engineering Technician VI	\$ 24.00
29090 Environmental Technician	\$ 22.13
29100 Flight Simulator/Instructor (Pilot)	\$ 26.70
29150 Graphic Artist	\$ 21.41
29160 Instructor	\$ 21.41
29210 Laboratory Technician	\$ 17.65
29240 Mathematical Technician	\$ 19.52
29361 Paralegal/Legal Assistant I	\$ 14.81
29362 Paralegal/Legal Assistant II	\$ 19.23
29363 Paralegal/Legal Assistant III	\$ 23.52
29364 Paralegal/Legal Assistant IV	\$ 28.46
29390 Photooptics Technician	\$ 19.52
29480 Technical Writer	\$ 23.69
29491 Unexploded Ordnance Technician I	\$ 15.91
29492 Unexploded Ordnance Technician II	\$ 19.25
29493 Unexploded Ordnance Technician III	\$ 23.08
29494 Unexploded Safety Escort	\$ 15.91
29495 Unexploded Sweep Personnel	\$ 15.91
29620 Weather Observer, Senior 5/	\$ 19.60
29621 Weather Observer, Combined Upper Air & Surface Programs 5/	\$ 17.65
29622 Weather Observer, Upper Air 5/	\$ 17.65
Transportation/Mobile Equipment Operation Occups:	
31030 Bus Driver	\$ 15.55
31260 Parking and Lot Attendant	\$ 10.60
31290 Shuttle Bus Driver	\$ 12.97
31300 Taxi Driver	\$ 14.33
31361 Truckdriver, Light Truck	\$ 14.91
31362 Truckdriver, Medium Truck	\$ 16.25
31363 Truckdriver, Heavy Truck	\$ 20.80
31364 Truckdriver, Tractor-Trailer	\$ 20.80
Miscellaneous Occupations:	

# SECTION J

## ATTACHMENT E

99020 Animal Caretaker	\$ 15.77
99030 Cashier	\$ 10.58
99041 Carnival Equipment Operator	\$ 16.55
99042 Carnival Equipment Repairer	\$ 17.36
99043 Carnival Worker	\$ 14.17
99050 Desk Clerk	\$ 12.97
99095 Embalmer	\$ 17.42
99300 Lifeguard	\$ 11.54
99310 Mortician	\$ 17.42
99350 Park Attendant (Aide)	\$ 14.50
99400 Photofinishing Worker (Photo Lab Tech., Darkroom Tech)	\$ 11.54
99500 Recreation Specialist	\$ 17.96
99510 Recycling Worker	\$ 16.55
99610 Sales Clerk	\$ 11.54
99620 School Crossing Guard (Crosswalk Attendant)	\$ 14.17
99630 Sports Official	\$ 11.54
99658 Survey Party Chief (Chief of Party)	\$ 17.02
99659 Surveying Technician (Instr. Person/Surveyor Asst./Instr.)	\$ 15.27
99660 Surveying Aide	\$ 11.14
99690 Swimming Pool Operator	\$ 18.89
99720 Vending Machine Attendant	\$ 12.67
99730 Vending Machine Repairer	\$ 17.04
99740 Vending Machine Repairer Helper	\$ 13.77

### \*\* Fringe Benefits Required For All Occupations Included In This Wage Determination \*\*

HEALTH & WELFARE: \$1.39 per hour or \$55.60 per week or \$240.93 per month.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 5 years; 4 weeks after 10 years; 5 weeks after 20 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 4.173)

HOLIDAYS: Minimum of ten paid holidays per year: New Year's Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

1/

Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See 29 CFR 4.156)

2/

The wage rate applies to Putnam, Rockland, and Westchester counties only.

3/

The wage rate applies to Putnam and Rockland counties only.

4/

APPLICABLE TO AIR TRAFFIC CONTROLLERS ONLY - NIGHT DIFFERENTIAL: An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

5/

WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employee (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

### \*\* UNIFORM ALLOWANCE \*\*

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$4.25 per week (or \$.85 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**\*\* NOTES APPLYING TO THIS WAGE DETERMINATION \*\***

**Source of Occupational Titles and Descriptions:**

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Second Supplement, dated August 1995, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

**REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE (Standard Form 1444 (SF 1444))**

**Conformance Process:**

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. (See Section 4.6 (C)(vi)) When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation) and computes a proposed rate).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title), a Federal grade equivalency (FGE) for each proposed classification), job

## ATTACHMENT E

description), and rationale for proposed wage rate), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.

3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).

4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.

5) The contracting officer transmits the Wage and Hour decision to the contractor.

6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

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## SECTION J

## ATTACHMENT F

4

General Decision Number NY980003  
 Superseded General Decision No. NY970003  
 State: New York  
 Construction Type:  
 BUILDING  
 HEAVY  
 HIGHWAY  
 RESIDENTIAL  
 County(ies):  
 BRONX NEW YORK RICHMOND  
 KINGS QUEENS  
 BUILDING & RESIDENTIAL CONSTRUCTION PROJECTS (includes  
 single family homes and apartments up to and including 4  
 stories), HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	02/13/1998
1	03/13/1998
2	04/03/1998
3	05/22/1998
4	06/12/1998
5	07/06/1998
6	07/24/1998
7	08/07/1998
8	09/04/1998
9	09/18/1998
10	10/09/1998
11	11/20/1998
12	12/11/1998
13	12/18/1998
14	01/08/1999

COUNTY(ies):  
 BRONX NEW YORK RICHMOND  
 KINGS QUEENS  
 ASBE0012A 07/01/1998

	Rates	Fringes
ASBESTOS/INSULATOR WORKERS: SCOPE OF WORK: includes application of all insulating materials, protective coverings, coatings and finishing to all types of mechanical systems.	30.65	19.30

BOILO0005A 09/01/1998

	Rates	Fringes
BOILERMAKER	\$35.00	3.75+47%+a

## FOOTNOTE:

a. PAID HOLIDAYS: New Years Day, Thanksgiving Day, Memorial  
 Day, Independence Day, Labor Day and Good Friday, Friday after  
 Thanksgiving, Christmas Eve Day and New Years Eve

BRNY0001A 07/01/1996

	Rates	Fringes
BRICKLAYERS	\$30.77	14.36



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BRNY0001B 07/01/1998		
POINTERS, CLEANERS & CAULKERS	Rates 27.80	Fringes 11.50
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BRNY0003A 07/01/1995		
TERRAZZO WORKERS	Rates 27.88	Fringes 12.40
TERRAZZO FINISHERS	26.57	12.40
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BRNY0004A 06/30/1994		
MARBLE SETTERS	Rates 28.64	Fringes 13.55
-----		
BRNY0020A 06/30/1994		
MARBLE FINISHERS	Rates 26.02	Fringes 13.62
-----		
BRNY0024A 07/01/1995		
MARBLE POLISHERS	Rates 29.41	Fringes 11.89
-----		
BRNY0052A 11/01/1995		
TILE LAYERS	Rates 28.01	Fringes 12.11
-----		
BRNY0086A 06/01/1995		
TILE FINISHERS	Rates 24.89	Fringes 9.33
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CARP0001Y 01/01/1998		
CARPENTERS:	Rates	Fringes
Carpenters & Soft floor layers	30.06	18.47
-----		
CARP0740A 01/01/1996		
MILLWRIGHTS	Rates 28.53	Fringes 18.91
-----		
CARP1456Z 07/01/1997		
DOCKBUILDERS	Rates 28.68	Fringes 19.69
-----		
CARP1456Z 07/01/1997		
DIVERS	Rates 35.24	Fringes 19.69
DIVER TENDERS	26.04	19.69
-----		
ELEC0003A 06/12/1997		
ELECTRICIANS	Rates 32.00	Fringes 21.961
Jobbing, and maintenance and repair work	18.00	6.405+7.65%+a
PAID HOLIDAYS:		
a. New Years Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Election Day, Thanksgiving Day, the day after Thanksgiving Day, and Christmas Day		
-----		
ELEC0003H 07/01/1995		
SERVICE TECHNICIAN	Rates 20.77	Fringes 3.38
ASSEMBLER/WIREMAN	17.78	3.38

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ELEC1049A 10/05/1997

	Rates	Fringes
QUEENS COUNTY		
LINE CONSTRUCTION:		
Substation and Switching		
structures pipe type cable		
installation and maintenance jobs		
or projects; Railroad electrical		
distribution/transmission systems		
maintenance (when work is not		
performed by railroad employees)		
Overhead and Underground transmission/		
distribution line work. Fiber optic,		
telephone cable and equipment		
Lineman and Cable Splicer;	29.16	3.37+15.5%
Heavy Equipment Operator;	23.33	3.37+15.5%
Groundman	17.50	3.37+15.5%
Tree Trimmer	17.74	3.37+15.5%

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ELEV0001B 07/01/1995

	Rates	Fringes
ELEVATOR MECHANICS (New Construction)	31.31	9.51+a
ELEVATOR MECHANICS (Modernization		
and Repair)	27.33	9.37+a

FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day, Lincoln's Birthday,  
Washington's Birthday, Memorial Day, Independence Day,  
Labor Day, Columbus Day, Veteran's Day, Thanksgiving Day,  
Friday after Thanksgiving, and Christmas Day.

PAID VACATION: Employer contributes 8% of regular basic  
hourly rate as vacation pay for employees with more than  
5 years of service, and 6% for employees with less than  
5 years of service

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ENG10014B 07/01/1998

	Rates	Fringes
POWER EQUIPMENT OPERATORS (HEAVY & HIGHWAY):		
GROUP 1	42.33	16.45+a
GROUP 2	34.64	16.45+a
GROUP 3	34.39	16.45+a
GROUP 4	33.53	16.45+a
GROUP 5	32.84	16.45+a
GROUP 6	32.07	16.45+a
GROUP 7	32.06	16.45+a
GROUP 8	31.07	16.45+a
GROUP 9	30.35	16.45+a
GROUP 10	30.20	16.45+a
GROUP 11	28.10	16.45+a
GROUP 12	28.74	16.45+a
GROUP 13	28.37	16.45+a
GROUP 14	20.95	16.45+a
GROUP 15	19.79	16.45+a

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Tower crane

GROUP 2: Backhoes, power shovel, Hydraulic clam shells,  
moles and machines of a similar type

GROUP 3: Mine hoists and crane, etc. used as mine hoists

GROUP 4: Gradalls, keystones, cranes (with digging buckets),  
bridge cranes, trenching machines, vermeer cutter and machines  
of a similar nature

GROUP 5: Piledrivers, derrick boats, tunnel shovels

GROUP 6: Raise bore drill, and machines of a similar nature

GROUP 7: Back filling machines, cranes, mucking machines,

dual drum pavers

GROUP 8: Mixers (concrete w/loading attachments), concrete pavers, cableways, land derricks, power house (low pressure units), concrete pumps

GROUP 9: Concrete plants, well drilling machines, stone crushers double drum hoist, power house (other than above)

GROUP 10: Concrete mixers

GROUP 11: Elevators

GROUP 12: Concrete breaking machine, Hoists (single drum), load masters, locomotive and dinkies over 10 tons,

GROUP 13: Vibratory console

GROUP 14: Compressors (portable 3 or more in battery), tugger machine (caissons) well point pumps, chum drill

GROUP 15: Boilers, (high pressure, compressors (portable, single, or 2 in battery, not over 100' apart), pumps (river cofferdam and welding machines (except where arc is operated by members of local 15) push button machines, all engines irrespective of power (power pac) used to drive auxilliary equipment, air, hydraulic etc.

PREMIUMS ON CRANES (Crawler or Truck):

100' to 149' boom - add .50

150' to 249' boom - add .75

250' to 349' boom - add 1.00

350' to 450' boom - add 1.50

UTILITY CONSTRUCTION:

Utility compressors	19.67	16.45+a
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Off shift compressors	25.23	16.45+a
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Horizontal boring rig	30.06	16.45+a
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PAVING CONSTRUCTION:

Asphalt spreader	31.07	16.45+a
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Asphalt roller	30.20	16.45+a
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Asphalt plants	26.38	16.45+a
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STEEL ERECTION:

Three drum derricks	39.03	16.45+a
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Cranes, Hydraulic Cranes,

2 drum derricks, Forklifts,

Boom Trucks	37.44	16.45+a
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Compressors, Welding Machines	27.08	16.45+a
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Premiums for Cranes on Steel Erection:

100' to 149' boom - add 1.25

150' to 249' boom - add 1.50

250' to 349' boom - add 1.75

350' to 450' boom - add 2.25

Tower crane - add 1.50

FOOTNOTE:

a. Paid Holidays: New Year's Day; Lincoln's Birthday; Washington's Birthday; Memorial Day; Independence Day; Labor Day; Veterans Day; Columbus Day; Election Day; Thanksgiving Day; and Christmas Day; provided the employee works one day the payroll week in which the holiday occurs.

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ENG10014C 07/01/1998

	Rates	Fringes
POWER EQUIPMENT OPERATORS (BUILDING & RESIDENTIAL):		
GROUP 1	36.98	15.05+a
GROUP 2	36.36	15.05+a
GROUP 3	35.11	15.05+a
GROUP 4	28.55	15.05+a
POWER EQUIPMENT OPERATORS CLASSIFICATIONS		
GROUP 1: Double drum		
GROUP 2: Stone derrick, cranes, hydraulic cranes, boom trucks		
GROUP 3: Hoists, fork lift, house cars, plaster (platform machine), plaster bucket, concrete pump and all other equipment		

used for hoisting material

GROUP 4: Compressors, welding machines (cutting concrete work), paint spraying, sand blasting, pumps (with the exclusion of concrete pumps), house car (settlement basis only), all engines irrespective of power (power pac) used to drive auxiliary equipment, air, hydraulic, etc., boilers

Premiums for Cranes:

100'-149' boom - add 1.25

150'-249' boom - add 1.50

250'-349' boom - add 1.75

350'-450' boom - add 2.25

Tower cranes add 1.50

FOOTNOTE:

- a. PAID HOLIDAYS: New Year's Day, Lincoln's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Columbus Day, Election Day, Thanksgiving Day, and Christmas Day, provided the employee works one day in the payroll week in which the holiday occurs

* IRON0040P 01/04/1999		
	Rates	Fringes
BRONX, NEW YORK, RICHMOND IRONWORKERS (STRUCTURAL)	29.70	30.33
IRON0046C 07/01/1998		
	Rates	Fringes
IRONWORKERS (METALLIC LATHERS)	32.95	17.47
* IRON0197A 01/01/1999		
	Rates	Fringes
IRONWORKERS (STONE DERRICKMAN)	32.18	22.69
* IRON0361P 01/04/1999		
	Rates	Fringes
KINGS, QUEENS IRONWORKERS (STRUCTURAL)	29.70	30.33
IRON0580A 07/01/1998		
	Rates	Fringes
IRONWORKERS (ORNAMENTAL)	28.30	23.00
LABO0006A 07/01/1996		
	Rates	Fringes
BUILDING CONSTRUCTION LABORERS: CEMENT AND CONCRETE WORKERS	\$26.05	9.51
LABO0029A 07/01/1995		
	Rates	Fringes
LABORERS: (Heavy)		
Blasters	30.13	11.90
Blasters (hydraulic trac drill)	30.65	11.90
Hydraulic Trac Drill	27.22	11.90
Wagon; Airtrac; Quarry Bar		
Drill Runners	26.73	11.90
Jackhammers, Chippers, Spaders, Concrete Breakers, All Other Pneumatic Tools, Walk Behind Self-Propelled Hydraulic Asphalt and Concrete Breaker	26.07	11.90
Powder Carriers	23.58	11.90
* LABO0079A 07/01/1998		
	Rates	Fringes

LABORERS: (Building)

Mason Tenders	24.00	12.19
Demolition Laborers		
Tier A	25.00	12.19
Tier B	14.00	6.00

CLASSIFICATIONS

TIER A: Responsible for the removal of all interior partitions and structural partitions that can consist of sheet rock, block or masonry. Also, all structural slab openings for ducts, mechanical, shafts, elevators, slab openings and exterior walls where the building is not being completely demolished.

TIER B: Responsible for shoveling of debris into containers, pushing containers from the inside to the outside of the building.

\* LABO0147A 07/01/1998

	Rates	Fringes
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LABORERS

FREE AIR TUNNEL WORKERS

Tunnel Workers (including Maintenance Men, Inside Muck Lock Tenders, Pump Men Electricians, Cement Finishers, Caulkers, Hydraulic Men, Shield Men, Monorail Operators, Motor Men, Conveyor Men, Powder Carriers, Pan Men, Riggers, Chuck Tenders, Track Men Painters, Nippers, Brakemen, Cable Men, Hose Men, Grout Men, Gravel Men, Form Workers, Concrete Workers, Tunnel Laborers, Mole Nipper (one (1) Mole Sipper per Working Shaft per Shift for up to and including Two (2) Moles)

LABORERS	24.57	12.54
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LABO0731A 07/01/1998

	Rates	Fringes
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LABORERS: (Building,  
Heavy and Residential):

UNSKILLED	25.39	13.34
UTILITY LABORER	25.24	13.34

Paid Holidays:

Labor Day and Thanksgiving Day

LABO0999M 06/01/1996

	Rates	Fringes
Asbestos Removal Workers	18.00	4.00

\* LABO1010A 01/01/1999

	Rates	Fringes
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LABORERS HIGHWAY CONSTRUCTION:

FORMSETTERS	29.19	13.60+a
LABORERS	26.09	13.60+a

FOOTNOTES:

a. PAID HOLIDAYS: Memorial Day, Fourth of July, Labor Day, Columbus Day, Election Day and Thanksgiving Day, provided the employee has worked one (1) day in the calendar week in which the said holiday occurs.

\* LABO1018A 01/01/1999

	Rates	Fringes
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LABORERS:

Asphalt Rakers	29.06	13.60+a
Asphalt Tampers	26.62	13.60+a
Asphalt Laborers	26.51	13.60+a
Screedman	29.43	13.60+a

FOOTNOTE:

a. Paid Holidays: Memorial Day, Independence Day, Labor Day, Columbus Day, Election Day, Veterans Day, and Thanksgiving Day

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PAIN0009B 06/01/1998		
	Rates	Fringes
PAINTERS		
Painters, Drywall Finishers	26.25	12.31
and Lead Abatement Worker		
Spray, Scaffold and Sandblasting	29.25	12.31
GLAZIERS	27.34	16.22
-----		
PAIN0806A 10/01/1998		
	Rates	Fringes
PAINTERS:		
Structural steel		
and Bridge	34.50	18.19
-----		
* PAIN1974A 01/01/1999		
	Rates	Fringes
DRYWALL TAPERS/POINTERS	31.86	
-----		
PLAS0260A 02/04/1998		
	Rates	Fringes
BRONX, NEW YORK AND RICHMOND		
COUNTIES:		
PLASTERERS	25.05	16.01
-----		
PLAS0260B 07/01/1998		
	Rates	Fringes
KINGS AND QUEENS COUNTIES		
PLASTERERS	26.41	15.14
-----		
PLAS0530A 02/04/1998		
	Rates	Fringes
DRYWALL PLASTERERS	25.56	11.60
-----		
PLAS0780A 07/01/1998		
	Rates	Fringes
CEMENT MASONS	33.25	14.14
-----		
PLUM0001K 07/01/1998		
	Rates	Fringes
PLUMBERS:		
KING AND QUEENS COUNTIES	35.41	21.56
JOBING AND ALTERATIONS		
Any repair and or replacement		
of the present plumbing		
system that does not change		
the existing roughing	20.97	7.43
-----		
PLUM0002K 07/03/1996		
	Rates	Fringes
PLUMBERS:		
BRONX AND NEW YORK COUNTIES	33.91	20.55
Jobbing - repair and or		
replacement of the present		
plumbing system that does		
not change the existing		
roughing	21.28	8.76
-----		
PLUM0371A 07/01/1995		
	Rates	Fringes
RICHMOND COUNTY		
PLUMBERS	32.26	10.28
JOBING and ALTERATIONS		
Any repair and or replace-		

ment of the present plumbing  
system that does not change  
the existing roughing

19.49

8.50

FLUM0638A 07/01/1998

	Rates	Fringes
SPRINKLER FITTERS,		
STEAMFITTERS	31.55	20.84
SERVICE FITTERS	21.45	5.31

Service Fitter work shall consist of all repair, service and maintenance work on domestic, commercial and industrial refrigeration, air conditioning and air cooling, stoker and oil burner apparatus and heating apparatus etc., including but not exclusively the charging, evacuation, leak testing and assembling for all machines for domestic, commercial and industrial refrigeration, air conditioning and heating apparatus. Also, work shall include adjusting, including capacity adjustments, checking and repairing or replacement of all controls and start up of all machines and repairing all defects that may develop on any system for domestic, commercial and industrial refrigeration and all air conditioning, air cooling, stoker and oil burner apparatus and heating apparatus regardless of size or type.

ROOF0008C 07/01/1998

	Rates	Fringes
ROOFERS	26.58	15.30

SHEE0028B 07/30/1998

	Rates	Fringes
SHEET METAL WORKERS	31.27	19.53

TEAM0292B 07/01/1998

	Rates	Fringes
TRUCK DRIVERS:		
Asphalt	26.56	15.95+a+b
High Rise	28.96	15.95+a+b
Euclids & Turnapulls	26.79	15.9525+a+b

FOOTNOTES:

PAID HOLIDAYS: A-New Year's Day; E-Memorial Day; C-Independence Day; D-Labor Day; E-Thanksgiving Day; F-Christmas Day.

a. Paid Holidays: A thru F, Lincoln's Birthday, Washington's Birthday, Election Day, Veterans' Day, provided the employee works 2 days in the calendar week in which the holiday falls and share each remaining work day during such calendar week.

b. For each 15 days worked within the contract year an employee will receive one day's vacation with pay with a maximum vacation of 3 weeks per year.

TEAM0813A 12/01/1998

	Rates	Fringes
TRUCKDRIVERS:		
GROUP 1	19.49	3.61+a
GROUP 2	19.76	3.61+a
GROUP 3	19.90	3.61+a
GROUP 4	20.23	3.61+a
GROUP 5	20.40	3.61+a
GROUP 6	21.29	3.61+a
GROUP 7	22.40	3.61+a
GROUP 8	19.90	3.61+a

FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr.'s Birthday, Presidents' Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Thanksgiving Day, Christmas Day,

Employee's Birthday, Two(2) Personal Days, and any holiday or day of mourning proclaimed as such by the State or Federal Government.

TRUCK DRIVER CLASSIFICATIONS

- GROUP 1: Closed body trucks with self contained loading unit up to and including 22 yard capacity.
- GROUP 2: Open trucks, rack body or trucks with no self contained mechanical loading device, up to 22 yard capacity. One-container tractor hoist
- GROUP 3: 10 wheel, open trucks, container loaders, dino-master, over-cab loaders, rack body trucks, or any trucks 22 yards to and including 25 yards capacity.
- GROUP 4: Rubbish and garbage trucks, 26 yards to and including 31 yards.
- GROUP 5: Single axle working non-compactor containers up to 15 yards capacity on rubbish and garbage removal.
- GROUP 6: Roll-off trucks up to and including 42 yard capacity.
- GROUP 7: Roll-off truck with more than 42 yard capacity or any tractor trailer trucks.
- GROUP 8: One-container tractor hoist on construction and alteration debris removal.

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.  
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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).  
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In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator



U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.  
END OF GENERAL DECISION

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## SECTION K

**K.1      52.203-8**

(a) If the Government receives information that a contractor or a person has engaged in conduct constituting a violation of subsection (a), (b), (c), or (d) of Section 27 of the Office of Federal Procurement Policy Act (41 U.S.C. 423) (the Act), as amended by section 4304 of the National Defense Authorization Act for Fiscal Year 1996 (Pub. L. 104-106), the Government may--

(1) Cancel the solicitation, if the contract has not yet been awarded or issued; or

(2) Rescind the contract with respect to which--

(i) The Contractor or someone acting for the Contractor has been convicted for an offense where the conduct constitutes a violation of subsection 27 (a) or (b) of the Act for the purpose of either--

(A) Exchanging the information covered by such subsections for anything of value; or

(B) Obtaining or giving anyone a competitive advantage in the award of a Federal agency procurement contract; or

(11) The head of the contracting activity has determined, based upon a preponderance of the evidence, that the Contractor or someone acting for the Contractor has engaged in conduct constituting an offense punishable under subsection 27(e)(1) of the Act.

(b) If the Government rescinds the contract under paragraph (a) of this clause, the Government is entitled to recover, in addition to any penalty prescribed by law, the amount expended under the contract.

(c) The rights and remedies of the Government specified herein are not exclusive, and are in addition to any other rights and remedies provided by law, regulation, or under this contract.

(End of clause)

**X.2      52.223-5**

(a) Executive Order 12856 of August 3, 1993, requires Federal facilities to comply with the provisions of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11001-11050) and the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13101-13109).

(b) The Contractor shall provide all information needed by the Federal facility to comply with the emergency planning reporting requirements of

Section 302 of EPCRA; the emergency notice requirements of Section 304 of EPCRA; the list of Material Data Safety Sheets required by Section 311 of EPCRA; the emergency and hazardous chemical inventory forms of Section 312 of EPCRA; the toxic chemical release inventory of Section 313 of EPCRA, which includes the reduction and recycling information required by Section 6607 of PPA; and the toxic chemical reduction goals requirements of Section 3-302 of Executive Order 12856.

(End of clause)

K.3 52.223-13 CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (OCT 1996)

(a) Submission of this certification is a prerequisite for making or entering into this contract imposed by Executive Order 12969, August 8, 1995.

(b) By signing this offer, the offeror certifies that---

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: (Check each block that is applicable.)

/\_\_\_/ (i) The facility does not manufacture, process, or otherwise use any toxic chemicals listed under section 313(c) of EPCRA, 42 U.S.C. 11023(c);

/\_\_\_/ (ii) The facility does not have 10 or more full-time employees as specified in section 313(b) (1) (A) of EPCRA, 42 U.S.C. 11023(b) (1) (A);

/\_\_\_/ (iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

/\_\_\_/ (iv) The facility does not fall within Standard Industrial

Classification Code (SIC) designations 20 through 39 as set forth in Section 19.102 of the Federal Acquisition Regulation; or

- /    (v) The facility is not located within any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Northern Mariana Islands, or any other territory or possession over which the United States has jurisdiction.

(End of provision)

K.4 52.204-5 WOMEN-OWNED BUSINESS (OCT 1995)  
(Reference 4.603(b))

K.5 52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

☐ TIN: \_\_\_\_\_

☐ TIN has been applied for.

☐ TIN is not required because:

☐ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

☐ Offeror is an agency or instrumentality of a foreign government;

☐ Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

☐ Sole proprietorship;

☐ Partnership;

☐ Corporate entity (not tax-exempt);

☐ Corporate entity (tax-exempt);

☐ Government entity (Federal, State, or local);

☐ Foreign government;

☐ International organization per 26 CFR 1.6049-4;

☐ Other \_\_\_\_\_

(f) Common parent.

☐ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

☐ Name and TIN of common parent:

Name \_\_\_\_\_

TIN \_\_\_\_\_

(End of provision)

K.6 52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND  
OTHER RESPONSIBILITY MATTERS (MAR 1996)

(a)(1) The Offeror certifies, to the best of its knowledge and belief,  
that--

(1) The Offeror and/or any of its Principals--

(A) Are / / are not / / presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have / / have not / /, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are / / are not / / presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision

(a) (1) (i) (B) of this provision.

(ii) The Offeror has / / has not / /, within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require

establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

(End of provision)

K.7 52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (APR 1984)

The offeror represents that--

(a) It /\_/ has, /\_/ has not, participated in a previous contract or subcontract subject either to the Equal Opportunity clause of this solicitation, the clause originally contained in Section 310 of Executive Order No. 10925, or the clause contained in Section 201 of Executive Order No. 11114;

(b) It /\_/ has, /\_/ has not, filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

(End of provision)

(R 7-2003.14(b)(1)(B) 1973 APR)

K.8 52.222-21 CERTIFICATION OF NONSEGREGATED FACILITIES (APR 1984)  
(Reference 22.810(a)(1))

K.9 52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that (a) it /\_/ has developed and has on file, /\_/ has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or (b) it /\_/ has not previously

had contracts subject to the written affirmative action programs  
requirement of the rules and regulations of the Secretary of Labor.

(End of provision)

(R 7-2003.14(b) 1979 SEP)

(R 1-12.805-4)

K.10 52.230-1 COST ACCOUNTING STANDARDS NOTICES AND CERTIFICATION (APR 1998)

Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III.

Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract.

If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. DISCLOSURE STATEMENT--COST ACCOUNTING PRACTICES AND CERTIFICATION

(a) Any contract in excess of \$500,000 resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR Chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) of Part I of this provision.

CAUTION: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed-to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:



/ (1) Certificate of Concurrent Submission of Disclosure Statement.

The offeror hereby certifies that, as a part of the offer, copies of the Disclosure Statement have been submitted as follows: (i) Original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable, and (ii) One copy to the cognizant Federal auditor.

(Disclosure must be on Form No. CASB DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal official and/or from the loose-leaf version of the Federal Acquisition Regulation.)

Date of Disclosure Statement: \_\_\_\_\_

Name and Address of Cognizant ACO or Federal Official Where Filed: \_\_\_\_\_

The offeror further certifies that practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable Disclosure Statement.

/ (2) Certificate of Previously Submitted Disclosure Statement.

The offeror hereby certifies that the required Disclosure Statement was filed as follows:

Date of Disclosure Statement: \_\_\_\_\_

Name and Address of Cognizant ACO or Federal Official Where Filed: \_\_\_\_\_

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable disclosure statement.

/ (3) Certificate of Monetary Exemption.

The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts subject to CAS totaling more than \$25 million (of which at least one award exceeded \$1 million) in the cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

/ (4) Certificate of Interim Exemption.

The offeror hereby certifies that (i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and (ii) in accordance with the 48 CFR 9903.202-1 the offeror is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has

not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer, in the form specified under subparagraphs (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

**CAUTION:** Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of \$25 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

#### II. COST ACCOUNTING STANDARDS--ELIGIBILITY FOR MODIFIED CONTRACT COVERAGE

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

☐ The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than \$25 million in awards of CAS-covered prime contracts and subcontracts, or the offeror did not receive a single CAS-covered award exceeding \$1 million. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

**CAUTION:** An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of \$25 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of \$25 million or more.

#### III. ADDITIONAL COST ACCOUNTING STANDARDS APPLICABLE TO EXISTING CONTRACTS

The offeror shall indicate below whether award of the contemplated contract would, in accordance with subparagraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

☐ YES      ☐ NO

(End of provision)

K.11 52.223-1 CLEAN AIR AND WATER CERTIFICATION (APR 1984)

The Offeror certifies that--

(a) Any facility to be used in the performance of this proposed contract is /\_/\_ is not /\_/\_ listed on the Environmental Protection Agency (EPA) List of Violating Facilities;

(b) The Offeror will immediately notify the Contracting Officer, before award, of the receipt of any communication from the Administrator, or a designee, of the EPA, indicating that any facility that the Offeror proposes to use for the performance of the contract is under consideration to be listed on the EPA List of Violating Facilities; and

(c) The Offeror will include a certification substantially the same as this certification, including this paragraph (c), in every nonexempt subcontract.

(End of provision)

(AV 7-2003.71 1977 JUN)

(AV 1-1.2302-1)

K.12 52.225-1 BUY AMERICAN CERTIFICATE (DEC 1989)

The offeror certifies that each end product, except those listed below, is a domestic end product (as defined in the clause entitled "Buy American Act--Supplies"), and that components of unknown origin are considered to have been mined, produced, or manufactured outside the United States.

Excluded End Products	Country of Origin
_____	_____
_____	_____
_____	_____

(List as necessary)

Offerors may obtain from the contracting officer lists of articles, materials, and supplies excepted from the Buy American Act.

(End of provision)

(a) (1) The standard industrial classification (SIC) code for this acquisition is 4939

(2) The small business size standard is 5 million

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it ☐ is, ☐ is not a small business concern.

(2) (Complete only if offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it ☐ is, ☐ is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ☐ is, ☐ is not a women-owned small business concern.

(c) Definitions.

"Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

"Women-owned small business concern," as used in this provision, means a small business concern--

(1) Which is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice. (1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small or small disadvantaged business concern in order to obtain a contract to be awarded under the preference programs established pursuant to sections 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section

8(d) for a definition of program eligibility, shall--

- (i) Be punished by imposition of fine, imprisonment, or both;
- (ii) Be subject to administrative remedies, including suspension and debarment; and
- (iii) Be ineligible for participation in programs conducted under the authority of the Act.

(End of provision)

K.14 52.241-1 PUBLIC LAW 100-202, ELECTRIC SERVICE TERRITORY COMPLIANCE  
REPRESENTATION (FEB 1995)

(a) The Offeror represents as part of its offer that the Offeror's sale of electricity in accordance with the terms and conditions of this solicitation is ☐ is not ☐ consistent with Public Law 100-202, section 8093.

(b) The Offeror's supporting rationale is as follows:

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(End of provision)

END OF SECTION K

## **SECTION L**

### **INSTRUCTIONS, CONDITIONS AND NOTICES TO OFFERORS**

#### **L.1 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)**

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The Offeror is cautioned that the listed provisions may include blocks that must be completed by the Offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the Offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also the full text of a solicitation provision may be accessed electronically at these addresses:

<http://www.arnet.gov/far>  
<http://farsite.hill.af.mil>  
<http://www.dtic.mil/dfars>

#### **L.2 52.233-2 SERVICE OF PROTEST (AUG 1996)**

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation (FAR), that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addresses as follows) by obtaining written and dated acknowledgement of receipt from:

NYD US Army Corps of Engineers, Contracting Officer  
26 Federal Plaza, Room 1843  
New York, New York 10278

#### **L.3 52.215-1 INSTRUCTIONS TO OFFERORS-COMPETITIVE ACQUISITION (OCT 1997) (Reference 15.209(a))**

#### **L.4 52.215-1 1 INSTRUCTIONS TO OFFERORS-COMPETITIVE ACQUISITION (OCT 1997) (Reference 15.209(a)(1))**

#### **L.5 52.204-6 CONTRACTOR IDENTIFICATION NUMBER-DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER (DEC 1996)**

#### **L.6 52.216-1 TYPE OF CONTRACT (APR 1984)**

The Government contemplates award of a Firm Fixed Price contract resulting from this solicitation..

**L.7 52.225-13 NOTICE OF BUY AMERICAN ACT REQUIREMENT-  
CONSTRUCTION MATERIALS UNDER TRADE AGREEMENTS ACT  
AND NORTH AMERICAN FREE TRADE AGREEMENT (MAY 1997)  
(Reference 25.207(c)(1))**

**L.8 52.237-0001 SITE VISIT (APR 1984).**

Contractors are urged and expected to inspect the site where the services are to be performed and to satisfy themselves regarding all general and local conditions that may affect the cost of contract performance, to the extent that the information is reasonably obtainable. In no event shall failure to inspect the site constitute grounds for a claim after contract award. February 18, 1999 has been scheduled for all prospective offerors to inspect the site. The pre-proposal conference will be held the following day (refer to paragraph L.11).

**L.9 PROPOSAL PREPARATION INSTRUCTIONS - GENERAL.**

Note: Offers and modifications thereof shall be submitted in two (2) separate sealed envelopes or packages as follows:

L.9.1 Addressed to the office specified in the solicitation, and showing the time specified for receipt, the solicitation number and the name and address of the Contractor.

L.9.2 One (1) envelope shall contain the Technical Proposal described below. It shall be clearly be marked "Technical Proposal RFP No. DACA51-99-R-0006". An original and seven (7) copies of the Technical Proposal are required.

L.9.3 The second envelope shall contain the Cost Proposal described below. It shall be clearly marked "Cost Proposal, RFP DACA51-99-R-0006". One (1) original and seven (7) copies are required.

L.9.4 Proposal text should be typed, single space, Courier font, 12 pitch (or equivalent) and submitted on standard (8-1/2" x 11") paper, with foldouts no more than 17" long. Margins are one inch (head and foot of page), one half inch on the sides of the page. Technical Proposals shall not exceed two hundred (200) pages in length, exclusive of cover page, section dividers and table of contents. Technical Proposals exceeding the page limit shall be evaluated only on the first two hundred (200) pages.

L.9.5 Time for submission: Proposals shall be submitted by the date and time stated on the Standard Form (SF) 33, Block 13 of the solicitation.

L.9.6 Time of Acceptance: Unless the Contractor inserts a different period of time on the Standard Form 33, proposals will remain valid for a period of 120 days from date of the proposal.

L.9.7 Proposals submitted in response to this solicitation will not be returned.

L.9.8 Proposals shall be submitted prior to the closing date to the following address:

U.S. Army Corps of Engineers  
Attn: CENAN-CT, Room 1843  
26 Federal Plaza  
New York, New York 10278-0090

#### **L.10 PROPOSAL SUBMISSION INSTRUCTIONS - VOLUME II, TECHNICAL PROPOSAL.**

L.10.1 General Requirements. Packages and/or envelopes containing the technical and cost proposals shall be marked with the Solicitation number. In order that Technical Proposals shall be evaluated strictly on the merits of the material submitted, no price information shall be included in the Technical Proposals.

L.10.1.2 The Technical Proposal shall be separate from the Cost Proposal. No material may be incorporated by reference, but references from one area of the Technical Proposal to another are permissible to avoid unnecessary duplication of information. Clear and specific responses to each solicitation item are required. The Technical Proposal shall be incorporated and made part of any subsequent contract.

L.10.1.3 All information the Contractor wishes to have considered must be submitted with the initial proposal. The evaluation will be limited to the information provided and nothing will be assumed.

L.10.1.4 Deviations: The Contractor shall comply with all requirements of the proposal submission instructions. Deviations shall be fully explained: (see Paragraph B.2.6., Alternative Proposals) however, the inclusion of cost/price information with the technical part of the proposal is not considered an acceptable deviation.

L.10.1.5 Telegraph offers will not be considered; however, offers may be modified by written or telegraphic notice. Facsimile offers, modifications or withdrawals will not be considered.

L.10.2 Technical Format and Content. As the Technical Proposal shall describe the capability of the Contractor to participate in this effort, it should be specific and complete in every detail. Proposals which merely offer to provide service in accordance with the Government's Statement of Work will be considered technically unacceptable



and will not be considered further. The Contractor must submit a definitive proposal to achieve the end results that are set forth in the Government's requirements. The Offeror's proposal shall address requirements as defined in this solicitation. The Contractor shall furnish the following information, which will be used to evaluate the proposal. The information should be submitted as listed below.

L.10.2.1 Technical Approach. The Contractor shall submit the following reports as described in Paragraph H.2, Project Reports. The Project Reports will be evaluated based on completeness and technical accuracy and feasibility. The Project Reports will indicate the Offeror's plans for the Fort Hamilton utility distribution/collection systems and will provide an indication of technical competency. The required reports include:

- (a) Initial Capital Improvement Plan. (see Paragraph H.2.1, Capital Improvement Plan)
- (b) Initial Compliance Report. (see Paragraph H.2.2, Compliance Report)
- (c) Initial O&M Plan. (see Paragraph H.2.3, O&M Plan)
- (d) Transition Plan. (see Paragraph H.2.4, Transition Plan)

L.10.2.2 Labor Qualification. The Offeror's technical proposal should include a demonstration of understanding the technical requirements including the requisite labor qualifications as outlined in Paragraph C.23, Contractor Personnel Administration. Also include resumes of all key personnel.

L.10.2.3 Management Approach. Procedures for managing work under this contract shall indicate a thorough understanding of the nature and scope of work. Proposed techniques to accomplish the work in each functional area shall be included.

- (a) The Offeror's Organizational Procedures should indicate the capability of the Offeror to; coordinate the work staff (in-house or subcontractors) on single or multiple projects (as defined in the Initial Capital Improvement Plan, H.2.1); meet the required response times as defined in Paragraph C.6, Continuity of Service, Interruption / Emergency Response; purchasing system(s) to function effectively and prudently including quality control of materials and installation and operation of materials; administer payroll activities, comply with any applicable labor relation functions; relocate off-site personnel and necessary equipment during times of major utility outages; provide continued reliable utility service during a work stoppage; and indicate any notifications of violations received from the United States Environmental Protection Agency, New York City Department of Environment Protection or similar State of New York organizations should be described, along with how the violation was (or is being) mitigated.

(b) The Operational Structure of the Offeror shall indicate; an outline of the minimum and maximum staffing levels, responsibilities, capabilities and levels of authority in order to assure project accomplishment in a timely and responsive manner; an outline of plan to ensure authority of key personnel and project managers are clearly defined; and organizational structure chart clearly indicating lines of authority and key personnel.

(c) Technical information shall be included to describe as applicable the following subcontracting management items as a minimum: identification of major subcontractors (over \$500,000 in FY99 dollars), how the home office will support the field office and the level of authority retained at the home office (if applicable), rationale for in-house/subcontract work distribution and subcontracting support capability (if applicable), historical experience of work with subcontractor(s) (if applicable), management controls for timeliness and quality of subcontractor(s) work (if applicable).

(d) Demonstration of Management Qualifications of the Offeror will include; an outline with responsibilities, authorities, and technical background of the proposed to include the corporate staff; qualification of management personnel with the minimum qualifications (experience, education, work discipline) as outlined in Paragraph C.23, Contractor Personnel Administration; clearly identify key personnel, also identified in organizational chart described in Paragraph (b) above, with attached resumes.

**L.10.2.4 Comparable Experience.** The Contractor shall complete Table L-1, Comparable Experience Worksheet in detail to include the following information. Describe the Contractor's and major subcontractor's (over \$500,000 in FY99 dollars) comparable experience within the last five (5) years in providing electric, natural gas, potable water and wastewater utility distribution services as an utility owner and/or operator. Describe as much relevant experience as the Contractor's/subcontractor's organization has in the areas stated below. Describe ability of the Contractor/subcontractor to simultaneously manage/design/construct multiple small to large scale utility upgrade, repair, and replacement projects. Comparable service should be for individual or classes of customers whose service requirements are similar to those specified in this Solicitation. Measures for comparable service may include, but not be limited to, such factors as circuit miles, pipe and main miles, lift station capacity, kW/hr consumption, average daily and peak wet weather wastewater flows, number of customers and/or service locations, valuation of utility facilities, geographic area served and type and magnitude of individual or collective capital projects. Subcontractor experience will be point scored as part of the technical evaluation process.

#### **SCHEDULE L-1. COMPARABLE EXPERIENCE WORKSHEET**

Project Description	Contract Number	Period of Performance	Point of POC Contact Phone#	Project Status	Reasons For Delay	Contract Price
Project #1						
Project #2						
Project #x						

L.10.2.5 Financial Capability. The proposal will describe the Contractor's capability to finance the Electric, Natural Gas, Potable Water and Wastewater System Purchase Price, Contribution-In-Aid-Of-Construction (CIAC) Tax Payment and Capitalization Principal, to specifically include the capability to provide financing up to the 75% of Contractor estimated replacement cost of the Fort Hamilton electric, natural gas, potable water and wastewater distribution/collection utility systems. The proposal will describe how this effort might affect the Contractor's future financing capability. Include the Contractor's total asset value and debt-to-equity ratio. Include the most current Financial Statement of the Contractor as an attachment, not to be included in total page count.

L.10.3 Pricing Proposal. The Price Proposal shall contain a completed Schedule B-1 Fort Hamilton Consolidated Utility Service Pricing and Cost Proposal Worksheet. In addition, Contractors shall provide explanatory text and/or footnotes as deemed necessary to clarify the worksheet pricing factors and costs on each of the required worksheets. An example worksheet is provided as Schedule L-2 (end of Section L) for use as a guide to the preparation of the required worksheet. Additional clarification may be found in Paragraph H.3, Rate and Charges. The Price Proposal shall provide a price for each item on the Schedule B-1 worksheet and submit sufficient data to determine reasonableness. Each Offeror shall complete the Schedule B-1 worksheet for each year of the contract to include pricing data for each of the four (4) utility system in the components of: Initial Upgrade, Distribution Charge, Capital Upgrade, Purchase Price, and Total Amount, unless authorized by Paragraph B.2.6, Alternate Proposals to deviate from the worksheet. The Contractor should provide backup data that will enable the reviewer to determine labor rates, material costs, overhead, general and administrative expense and profit. Pricing data will be evaluated as part of the Price Proposal.

L.10.4 Oral Presentation. Oral Presentations will be scheduled by drawing lots after receipt of offers. Offerors will be notified of the date and time for their oral presentation (no sooner than five (5) working days following receipt of offers). Requests to reschedule an offeror's oral presentation will be at the sole discretion of the Source Selection Authority.

L.10.4.1 The oral presentation shall not constitute discussions as defined in FAR Part 15. The Government retains the right to award the project without discussions. After completion of the oral presentation, the Government may request clarification of any of the points addressed which are unclear and may ask for elaboration of information which was not adequately supported in the presentation. Any such discussion will be for clarification purposes only and will not count against the Offeror's 2 hour time limit. The Oral Presentations are for clarification purposes of the submitted proposal and will not be point scored directly.

L.10.4.2 The oral presentation shall encompass technical issues only. No pricing information will be discussed an Offeror's oral presentation.

L.10.4.3 Oral presentations will be held in a conference room to be determined at a later date. The Government will provide an overhead projector and screen for the presentation.

L.10.4.4 The Offeror shall use the presentation to explain its understanding, approach, and capability to provide the activities required to accomplish the utility distribution system ownership, upgrade, operation, maintenance and repair tasks described in the RFP. Offerors shall demonstrate how they plan to meet the stated requirements and that they possess the requisite understanding, expertise, facilities, personnel and experience to successfully accomplish the requirements of the RFP.

L.10.4.5 Each Offeror will have a maximum of two (2) hours for their oral presentation. The presentation is limited to four (4), current employees of the Offeror. The Offeror is limited to a maximum of twenty (20) View Graph style briefing charts to present their positions. At the close of the presentation, the Offeror shall provide the Government with a list of all presenters and two (2) copies of the View Graphs. The Government will not accept any additional documentation.

L.10.5 Subcontracting Plan. (This section does not apply to small business concerns. Small business concerns are not required to submit this plan.) The Corps of Engineers (COE) is responsible for effectively implementing the small business programs within its activities, including achieving program goals, and ensuring that contracting and technical personnel maintain knowledge of Small, Small Disadvantaged, and Women-owned small business program requirements, and taking all reasonable actions to increase participation in its small business activities. In line with the emphasis on this program, the COE, New York District is particularly desirous of increasing subcontracting opportunities for Small business concerns. You, as a prime contractor, are required to participate in this program by soliciting subcontractor bids from such firms. In addition to locating simply small business sources, you are encouraged to take action to locate competent Small Disadvantaged and Women-owned small business concerns for your subcontracting opportunities in preparing your offer. You are further urged to request such sources in the vicinity in which the work is performed. In addition, it is suggested that you contact the local Small Business Association (SBA) Minority Enterprise Development (MED) staff to obtain SBA's certified listing of socially and economically disadvantaged business concerns in the vicinity in which the work is to be performed. Therefore the following instructions and provisions apply to this solicitation:

L.10.5.1 The successful Contractor, if a large business, must submit a subcontracting plan within five (5) working days of notification of selection. The Subcontracting Plan must be in conformance with all aspects of FAR Subpart 19.7.

L.10.5.2 A contract will not be awarded unless and until the Contracting Officer has determined (with advice from the SBA) that the Offeror's Subcontracting Plan provides maximum practicable opportunities for Small, Small Disadvantaged and Women-owned Small Business concerns to participate in contract performance. In determining the acceptability of a proposed Subcontracting Plan the Contracting Officer

will evaluate all relevant factors inclusive of an Offeror's past performance with respect to the Offeror's having awarded subcontracts for the same or similar products or services to Small, Small Disadvantaged and Women-owned small business concerns. In order to make this evaluation, the Offeror should be prepared to submit its past SF 294 (Subcontracting Report for Individual Contracts) and SF 295 (Summary Subcontract Report) forms within five (5) days of request by the Contracting Officer.

L.10.5.3 Prior to award, the successful Offeror will be required to discuss its Subcontracting Plan with the Small and Disadvantage Business Utilization Specialist (the "SADBUS") and the SBA.

L.10.5.4 FAR 19.706, Responsibilities of the Cognizant Administrative Contracting Officer, at subsection (b) states that "[I]f the Contractor does not comply in good faith with the Subcontracting Plan, the administrative contracting officer shall, upon contract completion, make appropriate recommendations that contracting officers may use for future contracts." Therefore, a determination by the contracting officer, during or after completion of the project, that the contractor did not implement its plan in good faith may result in adverse recommendations with regard to the contractor's future contract opportunities.

L.10.5.5 In addition, FAR 52.219-16, Liquidated Damages-Subcontracting Plan, failure to fully implement the plan during the life of the project may result in the assessment of liquidated damages.

## **L.11 PRE-PROPOSAL CONFERENCE.**

A Pre-Proposal conference in connection with the RFP will be held on February 19, 1999 at the Fort Hamilton Community Club (Building 207), Fort Hamilton, Brooklyn, New York at 10:00 A.M. Technical and administrative personnel will attend to discuss the requirements and answer questions. In order to expedite the discussions, prospective Offerors are required to SUBMIT WRITTEN QUESTIONS, specifying the section and paragraph of the RFP for which clarification is desired. Questions shall be submitted to the address listed in Paragraph L.9.8. However, questions which cannot be submitted in time to reach the Contracting Officer on or before the conference date may be submitted in writing at the conference and will be addressed, if possible, at that time. All questions must be submitted in writing. Pre-proposal conference questions and answers will be provided to all prospective Offerors as an informational item.

## **L.12 52.215-0007 UNNECESSARILY ELABORATE PROPOSALS OR QUOTATIONS (APR 1984).**

Unnecessarily elaborate brochures or other presentations beyond those sufficient to present a complete and effective response to this solicitation are not desired and may be construed as an indication of the Contractor's lack of cost consciousness. Elaborate art work, expansive paper and bindings, and expensive visual and other presentation aids are neither necessary nor wanted.

**L.13 52.215-0008 AMENDMENTS TO SOLICITATIONS (DEC 1989).**

L.13.1 If this solicitation is amended, all the terms and conditions which are not modified remain unchanged.

L.13.2 Contractors shall acknowledge receipt of any amendment to this solicitation by: (1) signing and returning the amendment; (2) identifying the amendment number and date in the space provided for this purpose on the form for submitting an offer; (3) letter or telegram; or (4) facsimile, if facsimile offers are authorized in the solicitation. The Government must receive the acknowledgment by the time specified for receipt of offers.

**L.14 52.215-0010 LATE SUBMISSIONS, MODIFICATIONS, AND WITHDRAWALS OF PROPOSALS (DEC 1989).**

L.14.1 Any proposal received at the office designated in the solicitation after the exact time specified for receipt will not be considered unless it is received before award was made and it:

L.14.1.1 Was sent by registered or certified mail not later than the fifth calendar day before the date specified for receipt of offers (e.g., an offer submitted in response to a solicitation requiring receipt of offers by the 20th of the month must have been mailed by the 15th).

L.14.1.2 Was sent by mail or, if authorized by the solicitation, was sent by telegram or via facsimile and it is determined by the Government that the late receipt was due solely to mishandling by the Government after receipt at the Government installation;

L.14.1.3 Was sent by U.S. Postal Service Express Mail Next Day Service-Post Office to Addressee, not later than 5:00 p.m. at the place of mailing two working days prior to the date specified for receipt of proposals. The term "working days" excludes weekends and U.S. Federal holidays; or,

L.14.1.4 Is the only proposal received.

L.14.2 Any modification of a proposal or quotation, except a modification resulting from the Contracting Officer's request for "best and final" offer, is subject to the same conditions as in subsection L.14.1.

L.14.3 A modification resulting from the Contracting Officer's request for "best and final" offer received after the time and date specified in the request will not be considered unless received before award and the late receipt is due solely to mishandling by the Government after receipt at the Government installation.

L.14.4 The only acceptable evidence to establish the date of mailing of a late proposal or modification sent either by U.S. Postal Service registered or certified mail is the U.S. or Canadian Postal Service postmark both on the envelope or wrapper and on the original receipt from the U.S. or Canadian Postal Service. Both postmarks must show a legible date or the proposal, quotation, or modification shall be processed as if mailed late. "Postmark" means a printed, stamped, or otherwise placed impression (exclusive of a postage meter machine impression) that is readily identifiable without further action as having been supplied and affixed by employees of the U.S. or Canadian Postal Service of the date of mailing. Therefore, Contractor or quoters should request the postal clerk to place a legible hand cancellation bull's eye postmark on both the receipt and the envelope or wrapper.

L.14.5 The only acceptable evidence to establish the time of receipt at the Government installation is the time/date stamp of that installation on the proposal wrapper or other documentary evidence of receipt maintained by the installation.

L.14.6 The only acceptable evidence to establish the date of mailing of a late offer, modification, or withdrawal sent by Express Mail Next Day Service - Post Office to Addressee is the date entered by the post office receiving clerk on the "Express Mail Next Day Service - Post Office to Addressee" label and the postmark on both the envelope or wrapper and on the original receipt from the U.S. Postal Service. "Postmark" has the same meaning as defined in paragraph (d) of this provision, excluding postmarks from the Canadian Postal Service. Therefore, Contractors or Quoters should request the postal clerk to place a legible hand cancellation bull's eye postmark on both the receipt and the envelope or wrapper.

L.14.7 Notwithstanding subsection L.14.1, late modification of an otherwise successful proposal that makes its terms more favorable to the Government will be considered at any time it is received and may be accepted.

L.14.8 Proposals may be withdrawn by written notice or telegram (including mailgram) received at any time before award. If the Solicitation authorizes facsimile proposal, proposals may be withdrawn via facsimile received at any time before award, subject to the conditions specified in the provision entitle "Facsimile Proposals." Proposals may be withdrawn in person by an Contractor or authorized representative, if the representative's identity is made known and the representative signs a receipt for the proposal before award.

#### L.15 52.215-00012 RESTRICTION ON DISCLOSURE AND USE OF DATA (APR 1984).

Contractors who include in their proposals or quotations data they do not want disclosed to the public for any purpose or used by the Government except for evaluation purposes, shall:

L.15.1 Mark the title page with the following legend:

DACA51-99-R-0006

"This proposal or quotation includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed, in whole or in part, for any purpose other than to evaluate this proposal or quotation. If, however, a contract is awarded to this Contractor or quoter as a result of, or in connection with, the submission of this data, the Government shall have the right to duplicate, use or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets [insert numbers or other identification of sheets];" and

L.15.2 Mark each sheet of data it wishes to restrict with the following legend:

"Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this proposal or quotation."

**L.16 52.215-0013 PREPARATION OF OFFERS (APR 1984).**

L.16.1 Contractors are expected to examine the drawings, specifications, schedule, and all instructions. Failure to do so will be at Contractor's risk.

L.16.2 Each Contractor shall furnish the information required by the solicitation. The Contractor shall sign the offer and print or type his/her name on the Schedule and each continuation sheet on which it makes an entry. Erasures or other changes must be initialed by the person signing the offer. Offers signed by an agent shall be accompanied by evidence of that agent's authority unless evidence has been previously furnished to the issuing office.

L.16.3 For each item offered, Contractor shall (1) show the unit price/cost, including, unless otherwise specified, packaging, packing, and preservation and (2) enter the extended price/cost for the quantity of each item offered in the "Amount" column of the Schedule. In case of discrepancy between a unit price/cost and an extended price/cost, the unit price/cost will be presumed to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake.

L.16.4 Offers for supplies or services other than those specified will not be considered unless authorized by the Solicitation.

L.16.5 Contractors must state a definite date for delivery of supplier or for performance of services, unless specified in the Solicitation.

L.16.6 Time, if stated as a number of days, will include Saturdays, Sundays and holidays.



**L.17 52.215-0015 FAILURE TO SUBMIT OFFER (APR 1984).**

Recipients of this Solicitation not responding with an offer should not return this solicitation, unless it specifies otherwise. Instead, they should advise the issuing office by letter or postcard whether they want to receive future solicitations for similar requirements. If a recipient does not submit an offer and does not notify the issuing officer that future solicitations are desired, the recipient's name may be removed from the applicable mailing list.

**L.18 52.215-0016 CONTRACT AWARD (AUG 1991).**

L.18.1 The Government may award a contract resulting from this Solicitation to the responsible Contractor whose offer conforming to the solicitation will be most advantageous to the Government, cost or price and other factors, specified elsewhere in this Solicitation, considered including continuing Government ownership.

L.18.2 The Government may (a) reject any or all offers if such action is in the public interest, (b) accept other than the lowest offer, and (c) waive informalities and minor irregularities in offers received.

L.18.3 The Government intends to evaluate proposals and award a contract without discussions with Contractors. Therefore, each initial offer should contain the Contractor's best terms from a cost or price and technical standpoint. However, the Government reserves the right to conduct discussions if later determined by the Contracting Officer to be necessary.

L.18.4 Unless otherwise provided in the Schedule, offers must be submitted for quantities specified in Section B. The Government reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit cost or prices offered, unless the Contractor specifies otherwise in the offer.

L.18.5 A written award or acceptance of offer mailed or otherwise furnished to the successful Contractor within the time for acceptance specified in the offer shall result in a binding contract without further action by either party. Before the offer's specified expiration time, the Government may accept an offer (or part of an offer, as provided in paragraph (d) above), whether or not there are negotiations after its receipt, unless a written notice of withdrawal is received before award. Negotiations conducted after receipt of an offer do not constitute a rejection or counteroffer by the Government.

L.18.6 Neither financial data submitted with an offer, nor representations concerning facilities or financing, will form a part of the resulting contract. However, if the resulting contract contains a clause providing for a price reduction for defective cost or pricing data, the contract price will be subject to reduction if cost or pricing data furnished is incomplete, inaccurate, or not current.

L.18.7 The Government may determine that an offer is unacceptable if the prices proposed are materially unbalanced between line items or sub-line items. An offer is materially unbalanced when it is based on prices significantly less than cost for some work and prices which are significantly overstated in relation to cost for other work, and if there is a reasonable doubt that the offer will result in the lowest overall cost to the Government, even though it may be the low evaluated offer, or it is so unbalanced as to be tantamount to allowing an advance payment.

**L.19 52.019-0303 PRODUCT OR SERVICE CLASSIFICATION.**

The supplies or services to be procured under this solicitation are classified in Standard Industrial Classification Code 4939, Combined Utilities and can be further qualified under the criteria set forth in Regulations of the Small Business Administration (Code of Federal Regulations, Title 13, Section 121.3-8).

**L.20 52.233-0002 SERVICE OF PROTEST (NOV 1988).**

L.20.1 Protests, as defined in Section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO) or the General Services Administration Board of Contract Appeals (GSBCA), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from the address shown in Paragraph L.8.9.

L.20.2 The copy of any protest shall be received in the office designated above on the same day a protest is filed with the GSBCA or within one day of filing a protest with the GAO.

**L.21 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE**

The following clauses are incorporated by reference into this solicitation:

FAR 52.204-0006	Data Universal Numbering System (DUNS) Number	(Apr 1998)
FAR 52.222-0024	Preaward On-Site Equal Opportunity Compliance Review	(Apr 1984)
DFAR 252.204-7001	Commercial and Government Entity (CAGE) Code Reporting	(Dec 1991)

**SCHEDULE L-2. FORT HAMILTON CONSOLIDATED UTILITY  
SERVICE PRICING AND COST PROPOSAL WORKSHEET**

**EXAMPLE SCHEDULE B-1**

**FORT HAMILTON ANNUAL UTILITY DISTRIBUTION SYSTEM PRICE**

**YEAR 1**

Utility System	Initial Upgrade	Distribution Costs	Capital Upgrades	Purchase Price	Total Amount (Year 1)
Electric	\$600,000 approx. {\$90,000}	\$100,000 If financed over 10 years at 8%	\$100,000	\$0	\$800,000 {\$290,000}
Natural Gas	\$600,000 approx. {\$90,000}	\$75,000 If financed over 10 years at 8%	\$25,000	\$0	\$700,000 {\$190,000}
Potable Water	\$1,500,000 approx. {\$220,000}	\$75,000 If financed over 10 years at 8%	\$25,000	\$0	\$1,600,000 {\$320,000}
Wastewater	\$1,500,000 approx. {\$220,000}	\$75,000 If financed over 10 years at 8%	\$25,000	\$0	\$1,600,000 {\$320,000}
Total Cost for all 4 Fort Hamilton Utility Distribution Systems for Year 1 without financing Initial Upgrades					<u>\$4,700,000</u>
Total Cost for all 4 Fort Hamilton Utility Distribution Systems for Year 1 with financing of Initial Upgrades					<u>\$1,120,000</u>

The numbers and values used in the above example are completely hypothetical and should not be implied or construed to have any meaning for other than demonstration of Schedule B. For reasons of simplification, the Purchase Price has been assumed to be nominal. However there may be tax consequences if less than Fair Value is transferred.

The Electric Initial Upgrade component is assumed in this example to be an engineering judgement of repairs and upgrades to the Fort Hamilton electrical distribution to meet the requirements of the performance specifications in Paragraph C.7. The arbitrary amount of \$600,000 (determined by engineering judgement) in upgrades and repairs could be financed over the 10 year contract period at an arbitrary interest rate

of 8%. If financed the approximate amount of \$90,000 would be indicated for the succeeding 9 years of Electric Initial Upgrade estimated cost for Schedule B, years 2-10.

The Natural Gas, Potable Water and Wastewater Initial Upgrade components follow the same rationale as the Electric. It is assumed in this example that the other utility distribution systems will need more substantial upgrade and repair, even possible system replacement, as an Initial Upgrade.

In the hypothetical example, the Electric Distribution Costs component is assumed to be \$100,000. This amount will typically be derived by the Offeror based upon the operational condition and expense of typical maintenance and repair of the Fort Hamilton electrical distribution system. In this example case, the ratio of the Electric Initial Upgrade component as compared to the electric replacement value is lower than the Natural Gas Initial Upgrade component as compared to the assumed replacement value of the natural gas system. Therefore, the electric distribution system is assumed to be of an older condition than that of the natural gas distribution system after the initial upgrades are performed and therefore will incur higher distribution costs to the Offeror.

The Electric Capital Upgrades component is assumed to be a uniform replacement of the electric distribution system over the expected lifetime of the distribution system. It was assumed that the replacement value of the electrical distribution system is much greater than the natural gas, potable water or wastewater distribution system with a shorter expected lifetime and therefore the levelized capital replacement value would be much greater.

It was assumed for reasons of simplicity for this example that the Purchase Price of the Fort Hamilton distribution systems was a nominal \$1.00 dollar. In a real situation there may be tax consequences to a nominal value transfer. If a fair value of the distribution systems is transferred to Fort Hamilton, the purchase price would preferably be financed at an interest rate and returned to Fort Hamilton as a credit to the utility service bill. The Purchase Price amount would then need to be recovered by the Offeror. Typically the Offeror would finance this amount at an interest rate and be included as part of the cost of providing utility service to Fort Hamilton. There would be a Purchase Price debt component to Fort Hamilton, as well as a Purchase Price credit to Fort Hamilton. The variance in these components would depend upon applicable interest rates and amortization periods. The Government will award the contract to the Offeror that demonstrates the best value to the Government as compared to a Government retained value scenario.

The Electric Distribution System Total Amount for Year 1 is the sum of the Electric Initial Upgrade, Electric Distribution Costs, Electric Capital Upgrades, and the Electric Purchase Price. The total amounts for each utility distribution system are then summed to develop the Total Annual Cost.

The succeeding years of Schedule B, (years 2-10) Bid Schedules shall be completed by the Offeror to be inclusive all costs incurred by the Offeror and desired

margins over the 10 year contract term. The Offeror shall provide backup information that details financial, inflationary, tax, operational and technical information necessary to develop the estimated costs reflected in Schedule B. The Offerors' costs will be compared to a retained Government ownership scenario on a 25 year Life Cycle Cost Analysis basis. No contract award may result if all potential Offerors' costs are evaluated to be above the continued Government ownership scenario and determined not to be a best value to the Government.

END OF SECTION L

## SECTION M

### EVALUATION FACTORS FOR AWARD

#### M.1 BASIS OF AWARD (NEGOTIATED).

M.1.1 Subject to the provisions contained herein, award may be made to a single Offeror. Any award to be made will be based upon the best overall proposal with appropriate consideration given to the evaluation factors stated below. No proposals will be accepted that do not contain the total amount of work specified in this solicitation (except when deviations are allowed, Paragraph B.2.6, Alternate Proposals. To be considered for award, proposals shall conform to all terms and conditions contained in the RFP.

M.1.2 All proposals will be evaluated by a team of Government personnel, to determine the extent to which each Offeror demonstrates a clear understanding of the requirements of the RFP. The Offeror shall submit a proposal that completely addresses all evaluation areas, specifically identifying how each proposed contractual requirement will be satisfied. The evaluation team will rate each proposal strictly in accordance with its content and will not presume that performance will include areas not specified in the Offeror's written proposal.

M.1.3 Proposals which are unrealistic in terms of management, quality, technical or have unrealistic prices will be deemed reflective of an inherent lack of technical competence or indicative of failure to comprehend the complexity and risks of the proposed contractual requirements and may be grounds for rejection of the proposal.

M.1.4 A competitive range will be established. Those Offerors, whose proposals are not within the competitive range, will be notified that their proposal are unacceptable, negotiations with them are not contemplated, and any revision of their proposals will not be considered. Award may be made to the Offeror whose offer will be the most advantageous to the Government considering the evaluation factors stated below.

M.1.5 Discussions or negotiations may be conducted with all Offerors in the competitive range in accordance with FAR 15.306. Proposal revisions, if any, will be evaluated against the same criteria, as were the initial offers. Management and technical subsections, which accompany proposal revisions, will require assessment of impact on cost.

M.1.6 The factors are listed in descending order of importance. The subfactors contained within each factor are also listed in descending order of importance.

#### M.2 EVALUATION FACTORS FOR AWARD.

M.2.1 In selecting the Offeror most advantageous to the Government, the following factors will be considered.

##### M.2.1.1 Technical Proposal

Factor I      Technical Approach.

##### (A)      Technical Capability

- (1)      Initial Capital Improvement Plan (H.2.1)
- (2)      Initial Compliance Report (H.2.2)
- (3)      Initial O&M Plan (H.2.3).

- (4) Transition Plan (H.2.4)
- (B) Labor Qualifications (C.23.2)
- Factor II Management Approach.
  - (A) Organization Procedures (L.10.2.3.a)
  - (B) Operational Structure (L.10.2.3.b)
  - (C) Subcontract Management (L.10.2.3.c)
  - (D) Management Qualifications (C.23.2)
- Factor III Comparable Experience (L.10.2.4)
- Factor IV Financial Capability (L.10.2.5)
- Factor V Subcontracting Plan (L.10.5)

M.2.2 Price shall not be point scored, but will be a major consideration in the award selection. Award may be made to the responsible Contractor whose proposal is technically acceptable and offers the best overall value to the Government, price and other factors considered. An award will not be made if all offers are not more advantageous to the Government than the continued Government ownership option. Both technical and cost requirements will be considered when evaluating the offers compared to the continued Government option. The overall value shall be determined by comparing differences in the value of the above technical factors and cost to the Government and compared to the continued Government ownership option. The closer the final evaluated factor scores of acceptable offers are to one another, the greater shall be the importance of cost factors in making the award determination.

### M.3 SOLICITATION PROVISION INCORPORATED BY REFERENCE

The following clause is incorporated by reference into this solicitation:

FAR 52.232-0015 Progress Payments Not Included (Apr 1984)

END OF SECTION M